SERIES **5**

500

LCD TV
user manual

imagine the possibilities

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Model _____ Serial No. _____

SAMSUNG

❑ **Important Warranty Information Regarding Television Format Viewing**

✍ See the warranty card for more information on warranty terms.

Wide screen format LCD Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LCD Displays that leave subtle, but permanent burned-in ghost images in the LCD picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.

On LCD models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven LCD aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

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● **SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT**

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser.

Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

For the location of a SAMSUNG Authorized Service Center, please call toll-free:

✍ **In the United States : 1-800-SAMSUNG (1-800-726-7864)**
✍ **In Canada : 1-800-SAMSUNG**

❑ **Precautions When Displaying a Still Image**

A still image may cause permanent damage to the TV screen

● Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

● Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.
Playing a DVD or a game console may cause a similar effect to the screen.
Damages caused by the above effect are not covered by the Warranty.

● Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

CONTENTS

❑ **License**

TruSurround HD, SRS and ⦿ Symbol are trademarks of SRS Labs, Inc.
TruSurround HD technology is incorporated under license from SRS Labs, Inc.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

❑ **Symbol**

| Note | One-Touch Button | TOOLS Button |
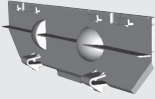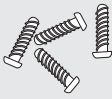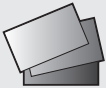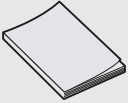
GENERAL INFORMATION

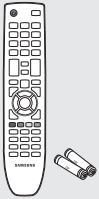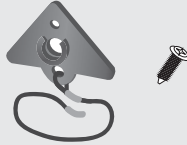📝 Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice in order to enhance product performance.

List of Features

- Adjustable picture settings that can be stored in the TV's memory.
- Automatic timer to turn the TV on and off.
- A special sleep timer.
- Excellent Digital Interface & Networking :
- With a built-in HD digital tuner, non-subscription HD broadcasts can be viewed with no Cable Box/Satellite receiver (Set-Top Box) needed.
- HDMI/DVI connection of your PC to this TV.
- Excellent Picture Quality
- SRS TruSurround HD provides a virtual surround system.

Accessories

Remote Control (BN59-00856A) & Batteries (AAA X 2)	Power Cord (3903-00467)	TV-Holder & Screw (M4 X L16) (BN96-10788A)
Cover-Bottom (LN40B500 : BN63-05330A) (LN46B500 : BN63-05332A)	Screw (M4 X L16) (6002-001294)	Cleaning Cloth (BN63-01798B)
Warranty Card / Safety Guide Manual	Owner's Instructions	

📝 Please make sure the following items are included with your LCD TV. If any items are missing, contact your dealer.

📝 The items color and shape may vary depending on the model.

Viewing the Control Panel

✐ The product color and shape may vary depending on the model.

✐ You can use a button by pressing the side panel buttons.
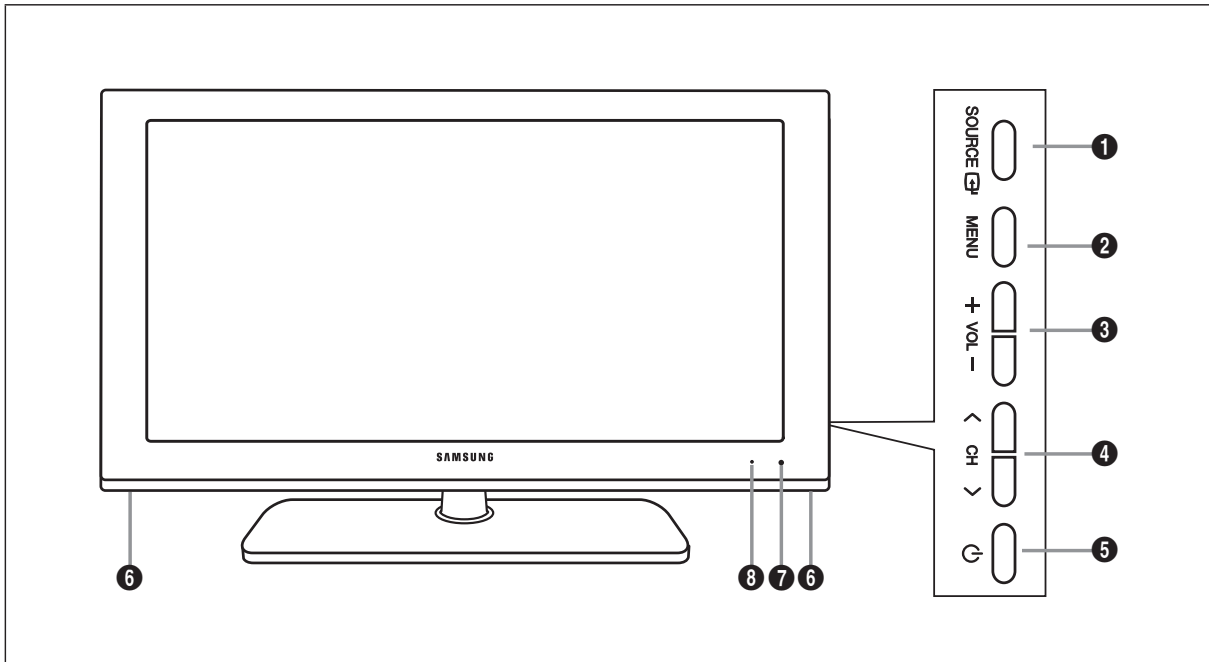
➊ **SOURCE** ⏎: Toggles between all the available input sources. In the on-screen menu, use this button as you use the **ENTER** ⏎ button on the remote control.

➋ **MENU**: Press to see an on-screen menu of your TV's features.

➌ **− VOL +**: Press to increase or decrease the volume. In the on-screen menu, use the **− VOL +** buttons as you would use the ◄ and ► buttons on the remote control.

➍ **⟨ CH ⟩**: Press to change channels. In the on-screen menu, use the **⟨ CH ⟩** buttons as you would use the ▼ and ▲ buttons on the remote control.

➎ ⏻ **(POWER)**: Press to turn the TV on and off.

➏ **SPEAKERS**

➐ **REMOTE CONTROL SENSOR:** Aim the remote control towards this spot on the TV.

➑ **POWER INDICATOR**: Blinks and turns off when the power is on and lights up in stand-by mode.

Viewing the Connection Panel

[TV Rear Panel]
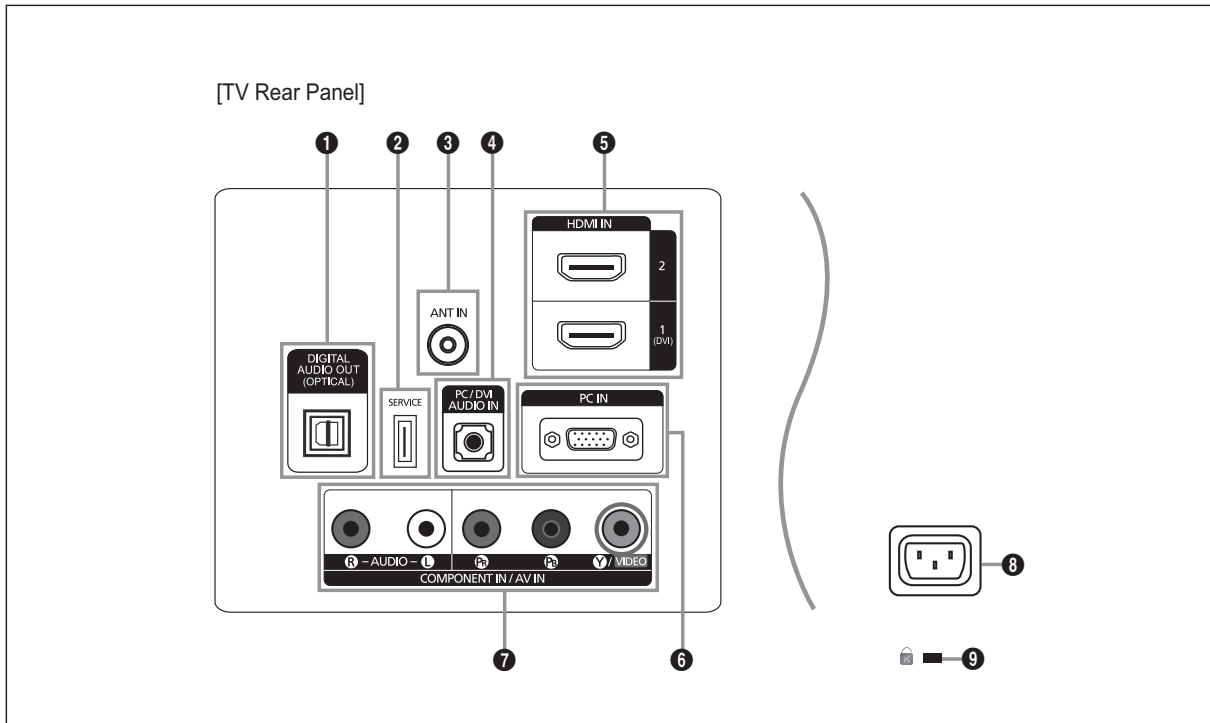
N The product color and shape may vary depending on the model.

❶ **DIGITAL AUDIO OUT (OPTICAL)**
   – Connects to a Digital Audio component such as a Home theater receiver.

❷ **SERVICE**
   – Connector for service only.

❸ **ANT IN**
   – Connects to an antenna or cable TV system.

❹ **PC / DVI AUDIO IN**
   – Connect to the audio output jack on your PC.
   – DVI audio outputs for external devices.

❺ **HDMI IN 1(DVI), 2**
   – Connects to the HDMI jack of a device with an HDMI output.
   N No additional Audio connection is needed for an HDMI to HDMI connection.
   N What is HDMI?
   ● HDMI(High-Definition Multimedia Interface), is an interface that enables the transmission of digital audio and video signals using a single cable.
   ● The difference between HDMI and DVI is that the HDMI device is smaller in size and has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed.
   N Use the **HDMI IN 1(DVI)** jack for DVI connection to an external device. Use a DVI to HDMI cable or DVI-HDMI adapter(DVI to HDMI) for video connection and the **PC / DVI AUDIO IN** jacks for audio. When using an HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.

❻ PC IN

– Connect to the video output jack on your PC.

🖉 If your PC supports an HDMI connection, you can connect this to the **HDMI IN 1(DVI), 2** terminal.

🖉 If your PC supports a DVI connection, you can connect this to the **HDMI IN 1(DVI)** terminal.

❼ COMPONENT IN / AV IN

– Connects Component video / audio.

– The **COMPONENT IN / AV IN** jack is also used as the **AV IN** jack.

🖉 Connect the video cable to the **COMPONENT IN / AV IN [Y/VIDEO]** jack and the audio cable to the **COMPONENT IN / AV IN [R-AUDIO-L]** jacks.

❽ POWER INPUT
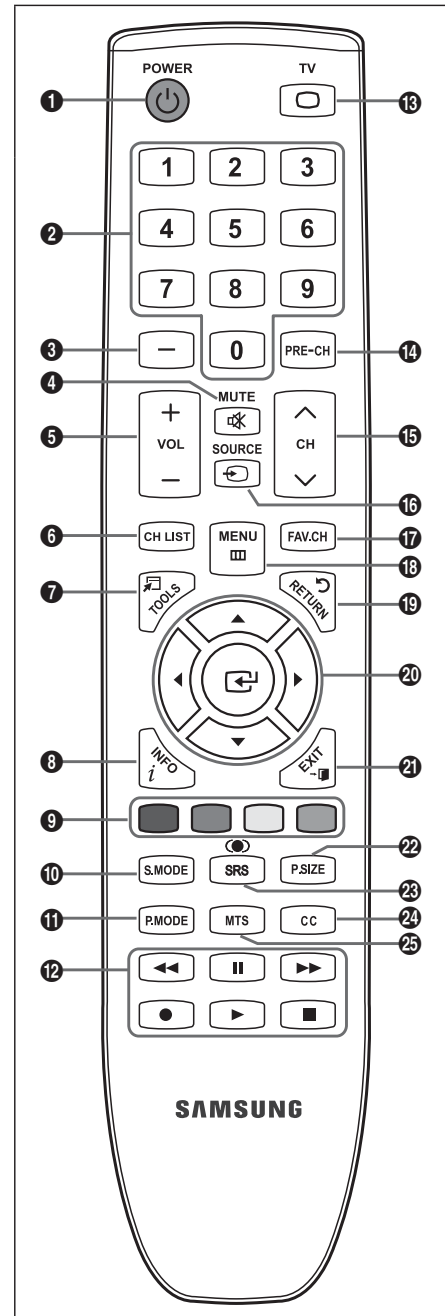
– Connects the supplied power cord.

❾ KENSINGTON LOCK

– The Kensington Lock (optional) is a device used to physically fix the system when used in a public place. If you want to use a locking device, contact the dealer where you purchased the TV.

🖉 The location of the Kensington Lock may be different depending on its model.

Remote Control

- *✐* You can use the remote control up to a distance of about 23 feet from the TV.
- *✐* The performance of the remote control may be affected by bright light.
- *✐* The product color and shape may vary depending on the model.

❶ **POWER**: Turns the TV on and off.

❷ **NUMERIC BUTTONS**: Press to change the channel.

❸ ⊟: Press to select additional channels (digital) being broadcast by the same station. For example, to select channel '54-3', press '54', then press ⊟ and '3'.

❹ **MUTE** ⊠: Press to temporarily cut off the sound.

❺ ➖**VOL**➕: Press to increase or decrease the volume.

❻ **CH LIST**: Used to display Channel Lists on the screen.

❼ **TOOLS**: Use to quickly select frequently used functions.

❽ **INFO**: Press to display information on the TV screen.

❾ **COLOR BUTTONS**: Use these buttons in the **Channel list** menus etc.

❿ **S.MODE**: Press to select the sound mode.

⓫ **P.MODE**: Press to select the picture mode.

⓬ Use these buttons in the **Anynet+** modes. (⊡: This remote can be used to control recording on Samsung recorders with the Anynet⁺ feature)

⓭ **TV**: Selects the TV mode directly.

⓮ **PRE-CH**: Enables you to return to the previous channel you were watching.

⓯ ⌄ **CH** ⌃ : Press to change channels.

⓰ **SOURCE**: Press to display and select the available video sources.

⓱ **FAV.CH**: Press to switch to your favorite channels.

⓲ **MENU**: Displays the main on-screen menu.

⓳ **RETURN**: Returns to the previous menu.

⓴ **UP▲ / DOWN▼ / LEFT◀ / RIGHT▶ / ENTER⏎**: Use to select on-screen menu items and change menu values.

㉑ **EXIT**: Press to exit the menu.

㉒ **P.SIZE**: Picture size selection.

㉓ **SRS**: Selects SRS TruSurround HD mode.

㉔ **CC**: Controls the caption decoder.

㉕ **MTS**: Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

Installing Batteries in the Remote Control

1. Lift the cover at the back of the remote control upward as shown in the figure.
2. Install two AAA size batteries.
   - *✐* Make sure to match the '+' and '−' ends of the batteries with the diagram inside the compartment.
3. Replace the cover.
   - *✐* Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. (Assuming typical TV usage, the batteries should last for about one year.)

- *✐* If the remote control doesn't work, check the following:
  - Is the TV power on?
  - Are the plus and minus ends of the batteries reversed?
  - Are the batteries drained?
  - Is there a power outage or is the power cord unplugged?
  - Is there a special fluorescent light or neon sign nearby?
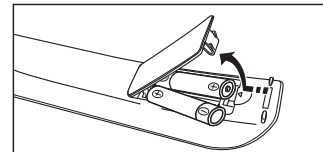
CONNECTIONS

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like the diagram to the right, see 'Antennas with 300 Ω Flat Twin Leads' below.
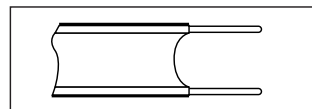
If your antenna has one lead that looks like the diagram to the right, see 'Antennas with 75 Ω Round Leads'.
If you have two antennas, see 'Separate VHF and UHF Antennas'.
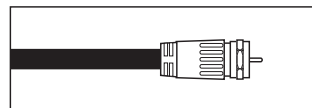
Antennas with 300 Ω Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or 'rabbit ears') that has 300 Ω twin flat leads, follow the directions below.

1. Place the wires from the twin leads under the screws on a 300-75 Ω adapter (not supplied). Use a screwdriver to tighten the screws.

2. Plug the adaptor into the **ANT IN** terminal on the back of the TV.
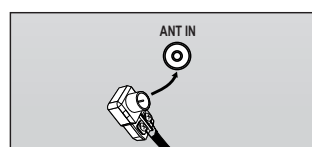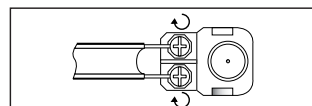
Antennas with 75 Ω Round Leads

Plug the antenna lead into the **ANT IN** terminal on the back of the TV.
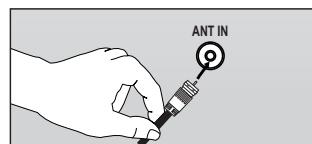
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adaptor (available at most electronics shops).

1. Connect both antenna leads to the combiner.

2. Plug the combiner into the **ANT IN** terminal on the bottom of the rear panel.
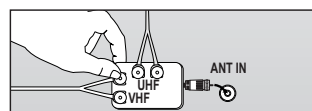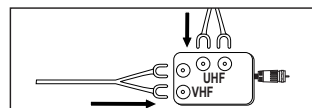
Connecting Cable TV

To connect to a cable TV system, follow the instructions below.

Cable without a Cable Box

Plug the incoming cable into the **ANT IN** terminal on the back of the TV.
✍ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.
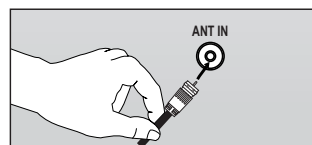
Connecting to a Cable Box that Descrambles All Channels

1. Find the cable that is connected to the ANT OUT terminal on your cable box.
✍ This terminal might be labeled 'ANT OUT', 'VHF OUT' or simply, 'OUT'.

2. Connect the other end of this cable to the **ANT IN** terminal on the back of the TV.
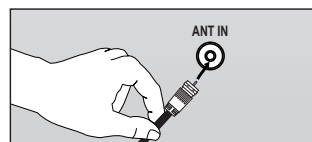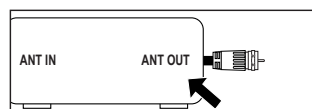
Connecting to a Cable Box that Descrambles Some Channels

If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch and four lengths of RF cable. (These items are available at most electronics stores.)
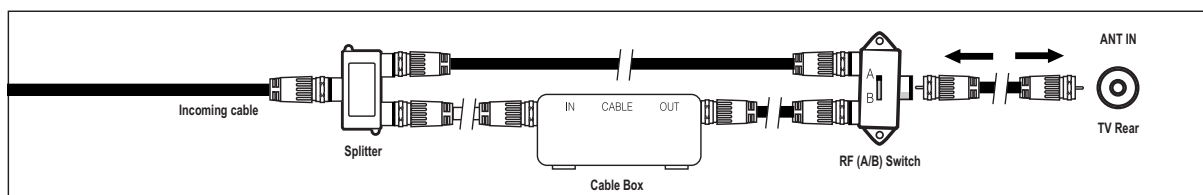
1. Find and disconnect the cable that is connected to the ANT IN terminal on your cable box.

   ✎ This terminal might be labeled 'ANT IN', 'VHF IN' or simply, 'IN'.

2. Connect this cable to a two-way splitter.

3. Connect an RF cable between the OUTPUT terminal on the splitter and the IN terminal on the cable box.

4. Connect an RF cable between the ANT OUT terminal on the cable box and the B–IN terminal on the RF(A/B) switch.

5. Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.

6. Connect the last RF cable between the OUT terminal on the RF (A/B) switch and the **ANT IN** terminal on the rear of the TV.

   After you have made this connection, set the A/B switch to the 'A' position for normal viewing. Set the A/B switch to the 'B' position to view scrambled channels. (When you set the A/B switch to 'B', you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

Connecting a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) via HDMI

This connection can only be made if there is an HDMI Output connector on the external device.
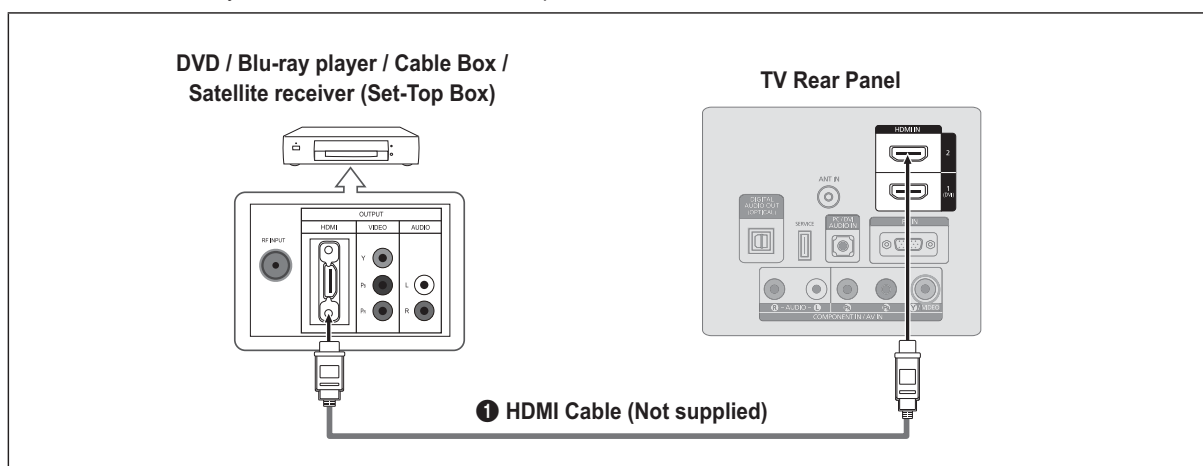
1. Connect an HDMI Cable between the **HDMI IN 1(DVI), 2** jack on the TV and the HDMI jack on the DVD / Blu-ray Player or Cable Box / Satellite receiver (Set-Top Box).

   ✎ What is HDMI?

● HDMI(High-Definition Multimedia Interface), is an interface that enables the transmission of digital audio and video signals using a single cable.

● The difference between HDMI and DVI is that the HDMI device is smaller in size and has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed.

   ✎ Each DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

   ✎ The TV may not output sound and pictures may be displayed with abnormal color when DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the **HDMI IN 1(DVI)** jack and the audio cables to the **PC / DVI AUDIO IN** jacks on the back of the TV. If this happens, contact the company that provided the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) to confirm the HDMI version, then request an upgrade.

   ✎ HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

Connecting a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) via DVI

This connection can only be made if there is a DVI Output connector on the external device.

TV Rear Panel

DVD / Blu-ray player / Cable Box /
Satellite receiver (Set-Top Box)

❷ **Audio Cable (Not supplied)**

❶ **DVI to HDMI Cable (Not supplied)**
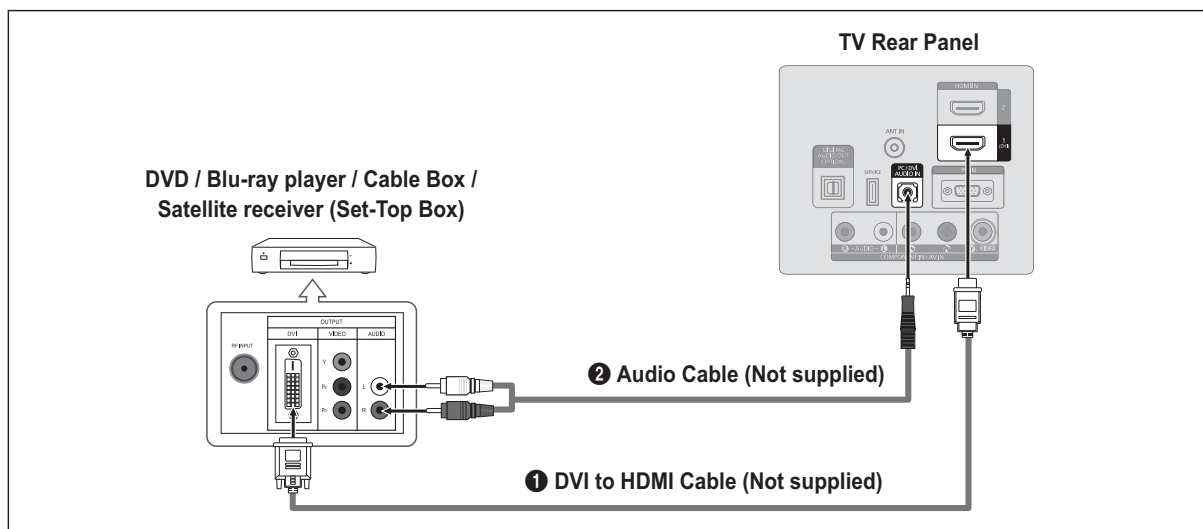
1. Connect a DVI to HDMI Cable or DVI-HDMI Adapter between the **HDMI IN 1(DVI)** jack on the TV and the DVI jack on the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box).

2. Connect Audio Cables between the **PC / DVI AUDIO IN** jack on the TV and the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box).

    ✎ Each DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

    ✎ When connecting a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.

    ✎ When using an HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.

Connecting a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) via Component cables

The rear panel jacks on your TV make it easy to connect a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) to your TV.

TV Rear Panel

DVD / Blu-ray player / Cable Box /
Satellite receiver (Set-Top Box)

❷ **Audio Cable (Not supplied)**

❶ **Component Cable (Not supplied)**
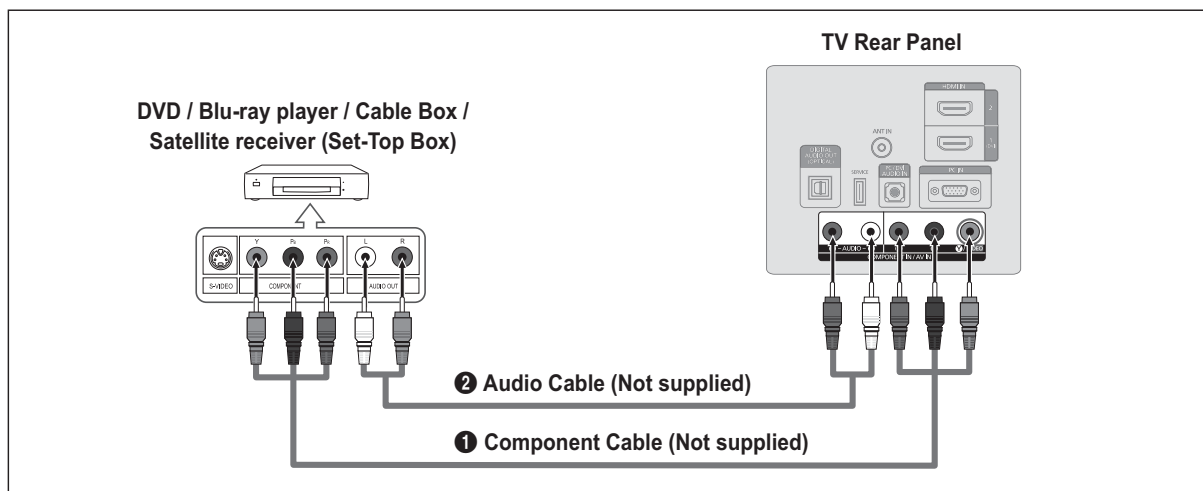
1. Connect a Component Cable between the **COMPONENT IN / AV IN [Y, P$_B$, P$_R$]** jacks on the TV and the COMPONENT [Y, P$_B$, P$_R$] jacks on the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box).

2. Connect Audio Cables between the **COMPONENT IN / AV IN [R-AUDIO-L]** jacks on the TV and the AUDIO OUT jacks on the DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box).

    ✎ Component video separates the video into Y (Luminance (brightness)), Pb (Blue) and Pr (Red) for enhanced video quality. Be sure to match the component video and audio connections. For example, if connecting a Component video cable to **COMPONENT IN / AV IN**, connect the audio cable to **COMPONENT IN / AV IN** also.

    ✎ Each DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

    ✎ When connecting a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.

Connecting a VCR
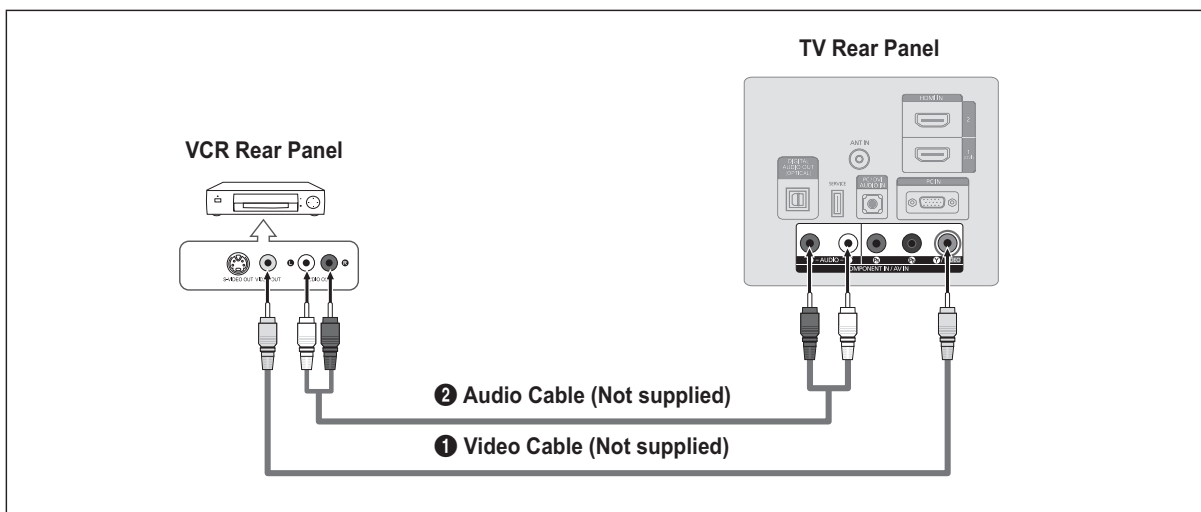
TV Rear Panel

VCR Rear Panel

❷ **Audio Cable (Not supplied)**

❶ **Video Cable (Not supplied)**

1. Connect a Video Cable between the **COMPONENT IN / AV IN [Y/VIDEO]** jack on the TV and the VIDEO OUT jack on the VCR.
2. Connect Audio Cables between the **COMPONENT IN / AV IN [R-AUDIO-L]** jacks on the TV and the AUDIO OUT jacks on the VCR.
   - ✎ If you have a 'mono' (non-stereo) VCR, use a Y-connector (not supplied) to connect to the right and left audio input jacks of the TV. Alternatively, connect the cable to the '**R**' jack. If your VCR is stereo, you must connect two cables.
   - ✎ Each VCR has a different back panel configuration.
   - ✎ When connecting a VCR, match the color of the connection terminal to the cable.

Connecting a Digital Audio System

The rear panel jacks on your TV make it easy to connect a Digital Audio System (Home theater/Receiver) to your TV.

TV Rear Panel

Digital Audio System

❶ **Optical Cable (Not supplied)**
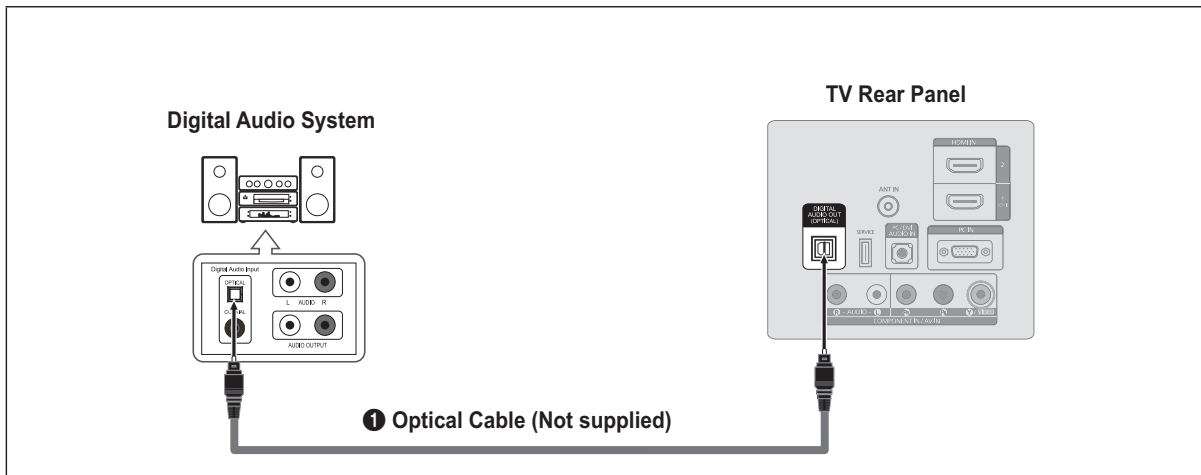
1. Connect an Optical Cable between the **DIGITAL AUDIO OUT (OPTICAL)** jacks on the TV and the Digital Audio Input jacks on the Digital Audio System.
   - ✎ When a Digital Audio System is connected to the **DIGITAL AUDIO OUT (OPTICAL)** jack:
     Decrease the volume of the TV and adjust the volume level with the system's volume control.
   - ✎ 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.
   - ✎ Each Digital Audio System has a different back panel configuration.
   - ✎ When the Home Theater receiver is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver. If you want to hear 5.1 channel audio, connect the digital audio out jack on DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) directly to an Amplifier or Home Theater, not the TV.

Connecting a Camcorder

Using a Video Cable
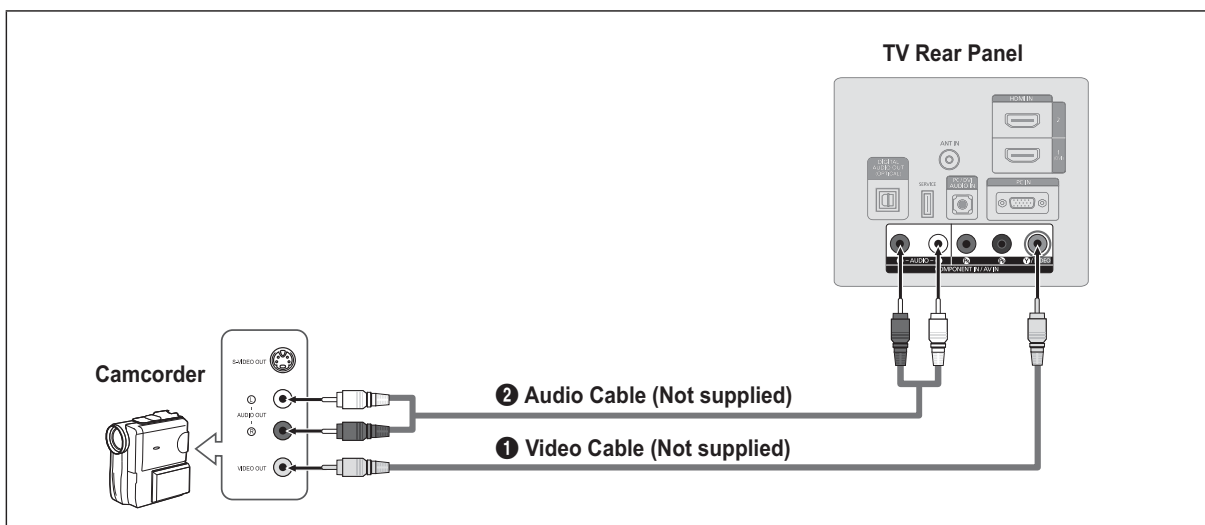
TV Rear Panel

Camcorder

❷ **Audio Cable (Not supplied)**

❶ **Video Cable (Not supplied)**

1. Connect a Video Cable between the **COMPONENT IN / AV IN [Y/VIDEO]** jack on the TV and the VIDEO OUT jack on the camcorder.

2. Connect Audio Cables between the **COMPONENT IN / AV IN [R-AUDIO-L]** jacks on the TV and the AUDIO OUT jacks on the camcorder.

    ✎ Each Camcorder has a different back panel configuration.

    ✎ When connecting a Camcorder, match the color of the connection terminal to the cable.

Using an HDMI Cable

TV Rear Panel

HD Camcorder

❶ **HDMI Cable (Not supplied)**
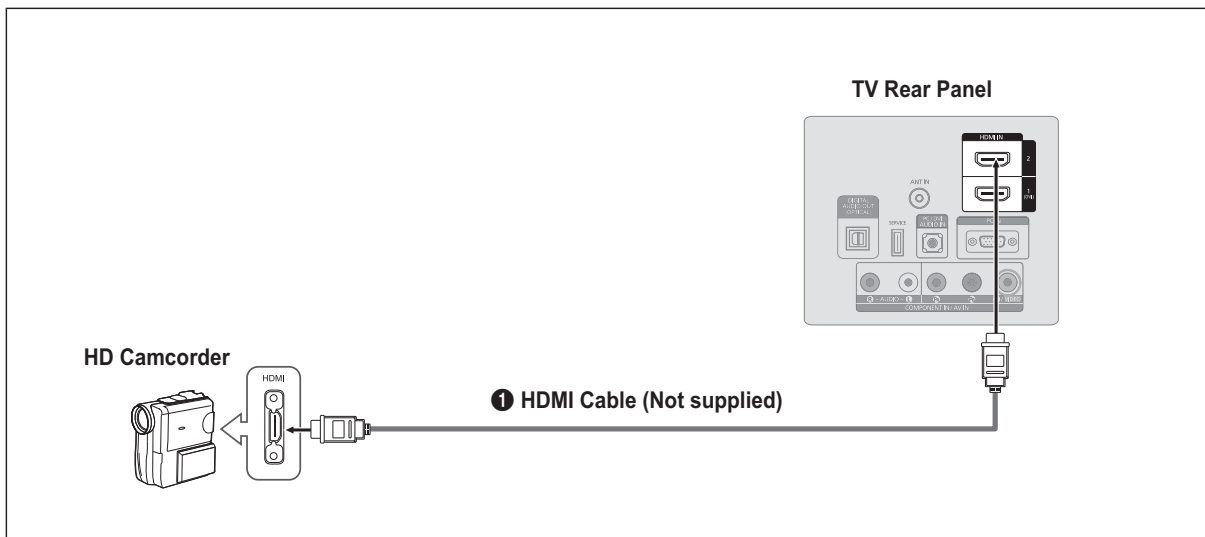
1. Connect an HDMI Cable between the **HDMI IN 1(DVI), 2** jack on the TV and the HDMI OUT jack on the camcorder.

Connecting a PC

Using a D-Sub Cable

TV Rear Panel

PC

❷ **PC Audio Cable (Not supplied)**

❶ **D-Sub Cable (Not supplied)**
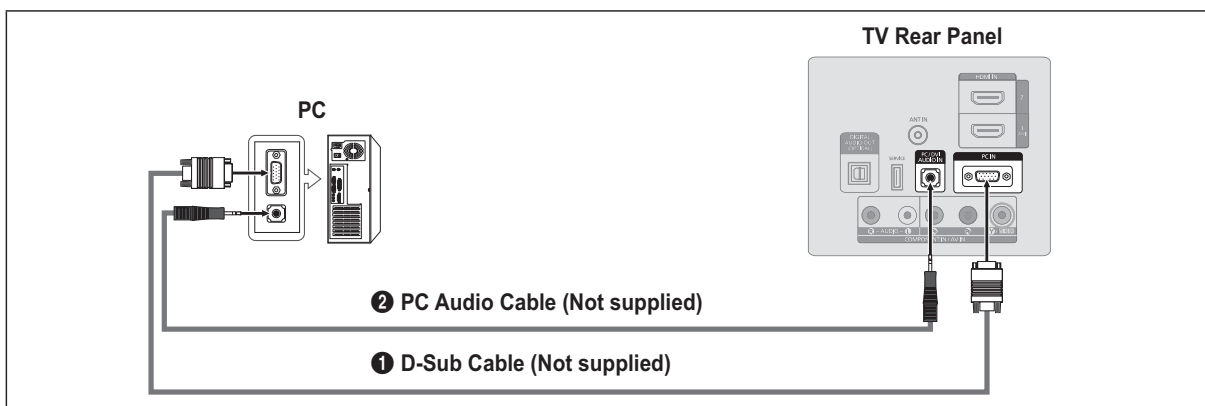
1. Connect a D-Sub Cable between **PC IN** connector on the TV and the PC output connector on your computer.

2. Connect a PC Audio Cable between the **PC / DVI AUDIO IN** jack on the TV and the Audio Out jack of the sound card on your computer.

    ✎ When connecting a PC, match the color of the connection terminal to the cable.

Using an HDMI/DVI Cable

TV Rear Panel

PC

❷ **3.5 mm Stereo mini-plug/2RCA Cable (Not supplied)**

❶ **HDMI/DVI Cable (Not supplied)**
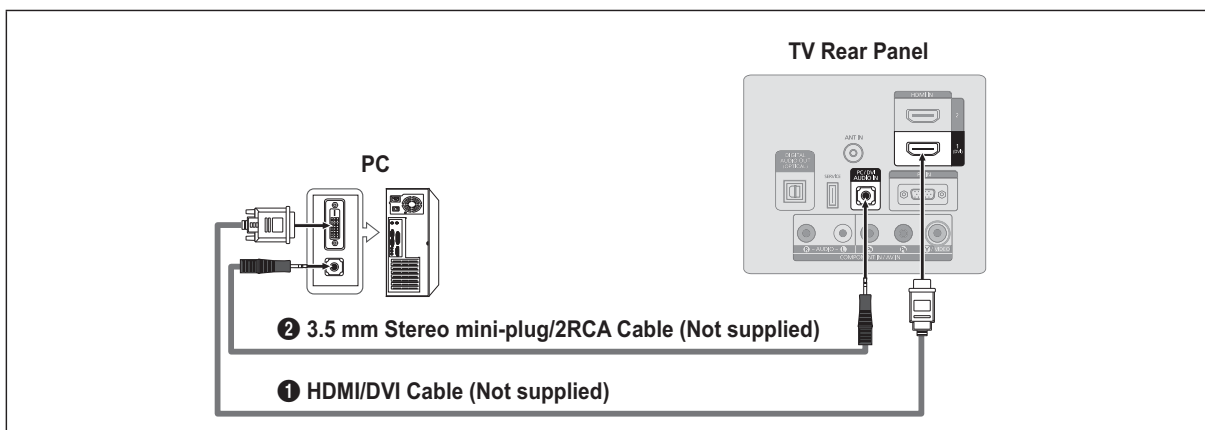
1. Connect an HDMI/DVI cable between the **HDMI IN 1(DVI)** jack on the TV and the PC output jack on your computer.

2. Connect a 3.5 mm Stereo miniplug / 2RCA Cable between the **PC / DVI AUDIO IN** jack on the TV and the Audio Out jack of the sound card on your computer.

    ✎ When using an HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** terminal.

Using an HDMI Cable
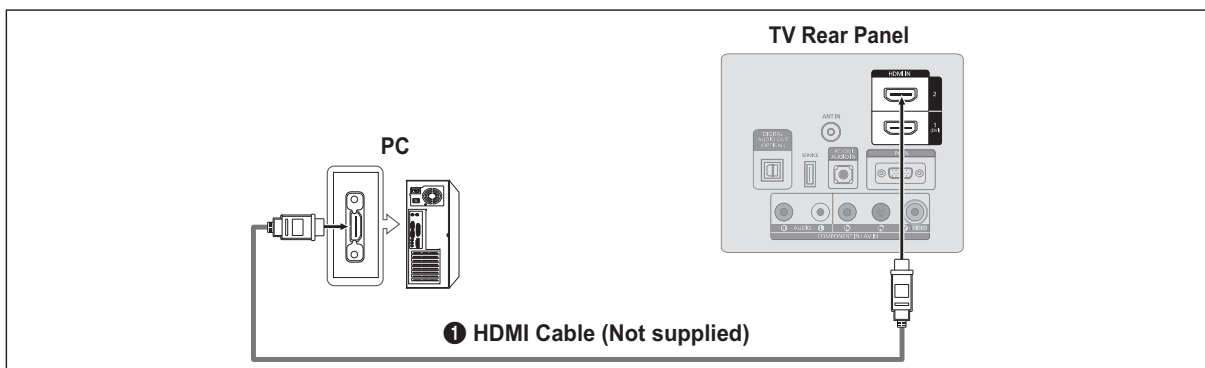
TV Rear Panel

PC

❶ **HDMI Cable (Not supplied)**

1. Connect an HDMI cable between the **HDMI IN 1(DVI), 2** jack on the TV and the PC output jack on your computer.

    ✎ Each PC has a different back panel configuration.

OPERATION

Viewing the menus

Before using the TV, follow the steps below to learn how to navigate the menu in order to select and adjust different functions.

1. Press the **MENU** button.

   The main menu is displayed on the screen. Its left side has the following icons: **Picture, Sound, Channel, Setup, Input, Application, Support.**

2. Press the ▲ or ▼ button to select one of the icons.

   Press the ◄ or ► button to access the icon's sub-menu.

3. Press the ▲ or ▼ button to move to items in the menu.

   Press the **ENTER** ↵ button to enter items in the menu.

4. Press the ▲/▼/◄/► button to change the selected items.

   ✎ Press the **RETURN** button to return to the previous menu.

5. Press the **EXIT** button to exit from the menu.
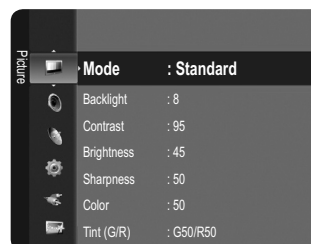
Using the remote control buttons

Button	Operations	Button	Operations
MENU ▥	Display the main on-screen menu.	▲/▼/◄/►/ ENTER↵	Move the cursor and select an item.
RETURN ↺	Return to the previous menu.		Select the currently selected item.
EXIT →◪	Exit the on-screen menu.		Confirm the setting.

Example: Setting the TV's Brightness in the Picture Menu

■ **Adjusting the Brightness to 80**

1. Press the **MENU** button to display the menu.

2. Press the **ENTER** ↵ button to select **Picture**.

3. Press the ▲ or ▼ button to select **Brightness**.
4. Press the **ENTER** ↵ button.

5. Press the ◄ or ► button until the **Brightness** changes to 80.
6. Press the **ENTER** ↵ button.

   ✎ Press the **EXIT** button to exit from the menu.
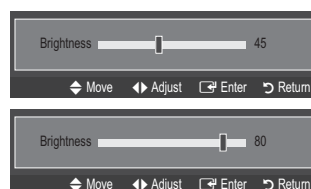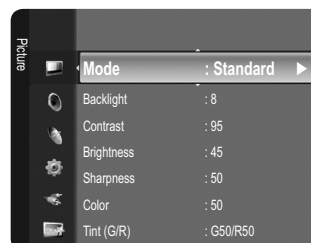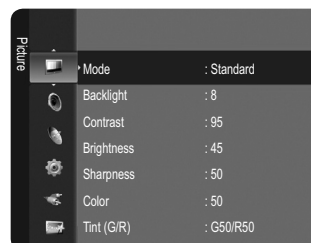
Plug & Play Feature

When the TV is initially powered on, basic settings proceed automatically and subsequently.

Plug & Play

Menu Language, Store Demo, Channels, and Time will be set.

Start

↵ Enter

1. Press the **POWER** ⏻ button on the remote control.
   - ⍟ You can also use the **POWER** ⏻ button on the TV.
   - ⍟ The message **Menu Language, Store Demo, Channels, and Time will be set.** is displayed.

2. Press the **ENTER** ↵ button, then **Sets the menu language.** menu is automatically displayed.

3. Press the ▲ or ▼ button to select the language, then press the **ENTER** ↵ button. The message **Select 'Home Use' when installing this TV in your home.** is displayed.

4. Press the ◄ or ► button to select **Store Demo** or **Home Use**, then press the **ENTER** ↵ button. The message **Select the Antenna source to memorize.** is displayed.
   - ⍟ We recommend setting the TV to **Home Use** mode for the best picture in your home environment.
   - ⍟ **Store Demo** mode is only intended for use in retail environments. If the unit is accidentally set to **Store Demo** mode and you want to return to **Home Use** (Standard): Press the volume button on the TV. When the volume OSD is displayed, press and hold the **MENU** button on the TV for 5 seconds.

5. Press the ▲ or ▼ button to memorize the channels of the selected connection. Press the **ENTER** ↵ button to select **Start**.
   - ⍟ **Air: Air** antenna signal. / **Cable: Cable** antenna signal. / **Auto: Air** and **Cable** antenna signals.
   - ⍟ In Cable mode, you can select the correct signal source among **STD, HRC**, and **IRC** by pressing the ▲, ▼, ◄ or ► button, then press the **ENTER** ↵ button. If you have Digital cable, select the cable system signal source for both Analog and Digital. Contact your local cable company to identify the type of cable system that exists in your particular area.

6. Press the **ENTER** ↵ button to select **Start**. The TV will begin memorizing all of the available channels.
   - ⍟ To stop the search before it has finished, press the **ENTER** ↵ button with **Stop** selected.
   - ⍟ After all the available channels are stored, it starts to remove scrambled channels. The Auto program menu then reappears. Press the **ENTER** ↵ button when channel memorization is complete. The message **Set the Clock Mode.** is displayed.

7. Press the **ENTER** ↵ button.
   Press the ▲ or ▼ button to select **Auto**, then Press the **ENTER** ↵ button. The message **Set to daylight saving time.** is displayed. If you select **Manual, Set current date and time** is displayed.

8. Press the ▲ or ▼ button to select **Off, On** or **Auto**, then press the **ENTER** ↵ button.

9. Press the ▲ or ▼ button to highlight the time zone for your local area. Press the **ENTER** ↵ button. If you have received a digital signal, the time will be set automatically. If not, see page 22 to set the clock.

10. The connection method to provide the best quality HD is offered. After confirming the method, press the **ENTER** ↵ button.

11. The message **Enjoy your TV.** is displayed. When you have finished, press the **ENTER** ↵ button.

If you want to reset this feature...

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** ↵ button.

2. Press the **ENTER** ↵ button again to select **Plug & Play**.
   - ⍟ The **Plug & Play** feature is only available in the TV mode.
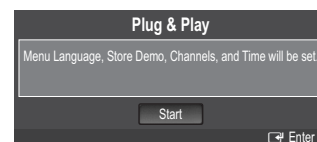
CHANNEL CONTROL

Configuring the Channel Menu

❑ Antenna → Air / Cable

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).

⧉ Press the **TOOLS** button to display the **Tools** menu. You can also set the Antenna by selecting **Tools → Switch to Cable** (or **Switch to Air**).
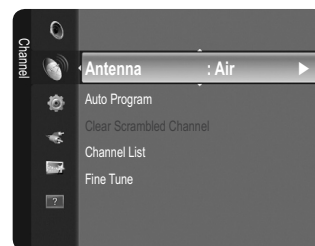
❑ Auto Program

■ **Air: Air antenna signal. / Cable: Cable antenna signal. / Auto: Air and Cable antenna signals**

✎ When selecting the Cable TV system: Selects the cable system. STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected.

✎ After all the available channels are stored, it starts to remove scrambled channels (Clear Scrambled Channels). The Auto program menu then reappears.

✎ If you want to stop Auto Programming, press the **ENTER**⏎ button. The **Stop Auto Program?** message will be displayed. Select **Yes** by pressing the ◄ or ► button, then press the **ENTER**⏎ button.

❑ Clear Scrambled Channels (digital channels only)

This function is used to filter out scrambled channels after **Auto Program** is completed. This process may take up to 20~30 minutes.

✎ To stop searching scrambled channels: Press the **ENTER**⏎ button to select **Stop**. Press the ◄ button to select **Yes**, then press the **ENTER**⏎ button.

✎ This function is only available in **Cable** mode.

❑ Channel List

For detailed procedures on using the **Channel List**, refer to the 'Managing Channels' instructions.

🖑 You can select these options by simply pressing the **CH LIST** button on the remote control.

❑ Fine Tune (analog channels only)

Use fine tuning to manually adjust a particular channel for optimal reception.

✎ If you do not store the fine-tuned channel in memory, adjustments are not saved.

✎ * will appear next to the name of fine-tuned channels.

✎ To reset the fine tuning setting, press the ▼ button to select **Reset**, then press the **ENTER**⏎ button.

Managing Channels

Using this menu, you can add / delete or set favorite channels and use the program guide for digital broadcasts.

■ **All Channels**

Shows all currently available channels.

■ **Added Channels**

Shows all added channels.

■ **Favorite**

Shows all favorite channels.

🖑 To select the favorite channels you have set up, press the **FAV.CH** button on the remote control.
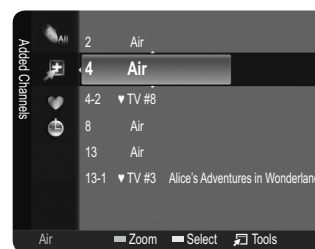
■ **Programmed**

Shows all current reserved Programs.

◉ Select a channel in the **All Channels, Added Channels** or **Favorite** screen by pressing the ▲ / ▼ buttons, and pressing the **ENTER**⏎ button. Then you can watch the selected channel.

◉ **Using the Color buttons with the Channel List**

  – Green (**Zoom**): Enlarges or shrinks a channel number.

  – Yellow (**Select**): Selects multiple channel lists. You can perform the add / delete or add to Favorite / delete from Favorite function for multiple channels at the same time. Select the required channels and press the yellow button to set all the selected channels at the same time. The ✓ mark appears to the left of the selected channels.

  – **TOOLS** (**Tools**): Displays the **Add** (or **Delete**), **Add to Favorite** (or **Delete from Favorite**), **Timer Viewing, Channel Name Edit, Select All** (or **Deselect All**), **Auto Program** menus (The Options menus may differ depending on the situation.)

◉ **Channel Status Display Icons**

  – ♥ : A channel set as a Favorite.

  – ✓ : A channel selected by pressing the yellow button.

  – 📺 : A Program currently being broadcast.

  – 🕒 : A reserved program

Channel List Option Menu (in All Channels / Added Channels / Favorite)

◉ Press the **TOOLS** button to use the option menu.

◉ Option menu items may differ depending on the channel status.

■ **Add / Delete**

You can delete or add a channel to display the channels you want.

◉ All deleted channels will be shown on **All Channels** menu.

◉ A gray-colored channel indicates the channel has been deleted.

◉ The **Add** menu only appears for deleted channels.

◉ You can also delete a channel from the **Added Channels** or **Favorite** menu in the same manner.
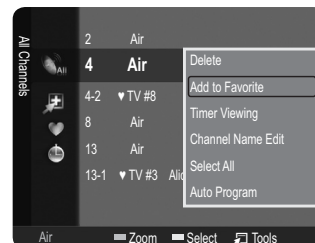
■ **Add to Favorite / Delete from Favorite**

You can set channels you watch frequently as Favorite.

⏏ Press the **TOOLS** button to display the **Tools** menu. You can also set the add to (or delete from) Favorites by selecting **Tools** → **Add to Favorite** (or **Delete from Favorite**).

◉ The ♥ symbol will be displayed and the channel will be set as a favorite.

◉ All favorite channels will be shown in the **Favorite** menu.

■ **Timer Viewing**

If you reserve a program you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel. To reserve a program, set the current time first. (refer to page 22)

◉ Only memorized channels can be reserved.

◉ You can set the channel, month, day, year, hour and minute directly by pressing the number buttons on the remote control.

◉ Reserving a program will be shown in the **Programmed** menu.

◉ **Digital Program Guide and Viewing Reservation**

When a digital channel is selected, and you press the ▶ button, the Program Guide for the channel appears. You can reserve a program according to the procedures described above.

■ **Channel Name Edit (analog channels only)**

Channels can labeled so that their call letters appear whenever the channel is selected.

◉ The names of digital broadcasting channels are automatically assigned and cannot be labeled.

■ **Select All / Deselect All**

  ● **Select All**: You can select all the channels in the channel list.

  ● **Deselect All**: You can deselect all the selected channels.

◉ You can only select **Deselect All** when there is a selected channel.

■ **Auto Program**

◉ For further details on setting up options, refer to page 15.

Channel List Option Menu (in Programmed)

You can view, modify or delete a reservation.

✎ Press the **TOOLS** button to use the option menu.

■ **Change Info**

Select to change a viewing reservation.

■ **Cancel Schedules**

Select to cancel a viewing reservation.

■ **Information**

Select to view a viewing reservation. (You can also change the reservation information.)

■ **Select All**

Select all reserved Programs.
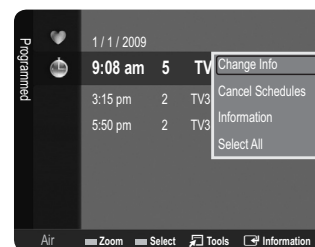
PICTURE CONTROL

Configuring the Picture Menu

❏ **Mode**

You can select the type of picture which best corresponds to your viewing requirements.

📖 Press the **P.MODE** button on the remote control repeatedly to select the desired picture mode.

■ **Dynamic**

Selects the picture for increased definition in a bright room.

■ **Standard**

Selects the picture for the optimum display in a normal environment.

■ **Movie**

Selects the picture for viewing movies in a dark room.

❏ **Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)**

Your television has several setting options that allow you to control the picture quality.

● **Backlight**: Adjusts the brightness of LCD back light.
● **Contrast**: Adjusts the contrast level of the picture.
● **Brightness**: Adjusts the brightness level of the picture
● **Sharpness**: Adjusts the edge definition of the picture.
● **Color**: Adjusts color saturation of the picture.
● **Tint (G/R)**: Adjusts the color tint of the picture.

✎ When you make changes to **Backlight, Contrast, Brightness, Sharpness, Color** or **Tint (G/R)** the OSD will be adjusted accordingly.

✎ In PC mode, you can only make changes to **Backlight, Contrast** and **Brightness**.

✎ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

✎ The energy consumed during use can be significantly reduced if the brightness level of the picture is lowered, which will reduce the overall running cost.

❏ **Advanced Settings**

Samsung's new TVs allow you to make even more precise picture settings than previous models.

✎ **Advanced Settings** is available in **Standard** or **Movie** mode.

✎ In PC mode, you can only make changes to **Gamma** and **White Balance** from among the **Advanced Settings** items.

■ **Black Tone → Off / Dark / Darker / Darkest**

You can select the black level on the screen to adjust the screen depth.
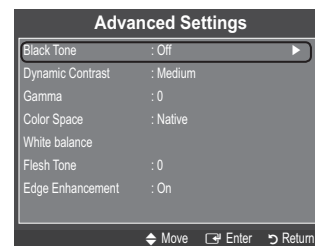
■ **Dynamic Contrast → Off / Low / Medium / High**

You can adjust the screen contrast so that the optimal contrast is provided.

■ **Gamma**

You can adjust the primary color (red, green, blue) Intensity. (-3 ~ +3)

■ **Color Space**

Color space is a color matrix composed of red, green and blue colors. Select your favorite color space to experience the most natural color.
- **Native**: Native Color Space offers deep and rich color tone.
- **Auto**: Auto Color Space automatically adjusts to the most natural color tone based on program sources.

■ **White Balance**

You can adjust the color temperature for more natural picture colors.
- **R-Offset / G-Offset / B-Offset / R-Gain / G-Gain / B-Gain**: You can adjust the **Color** 'temperature' in the light areas by changing the values of **R, G, B**. Recommended for advanced users only.
- **Reset**: The previously adjusted white balance will be reset to the factory defaults.

■ **Flesh Tone**

You can emphasize the pink 'flesh tone' in the picture.
- ✍ Changing the adjustment value will refresh the adjusted screen.

■ **Edge Enhancement → Off / On**

You can emphasize object boundaries in the picture.

❑ **Picture Options**
- ✍ In PC mode, you can only make changes to the **Color Tone** and **Size** from among the items in **Picture Options**.

■ **Color Tone → Cool / Normal / Warm1 / Warm2**
- ✍ **Warm1** or **Warm2** is only activated when the picture mode is **Movie**.
- ✍ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

Picture Options	
Color Tone	: Normal ▶
Size	: 16:9
Digital NR	: Auto
HDMI Black Level	: Normal
Film Mode	: Off

◆ Move ↵ Enter ↩ Return

■ **Size**

Occasionally, you may want to change the size of the image on your screen. Your TV comes with six screen size options, each designed to work best with specific types of video input. Your cable box/satellite receiver may have its own set of screen sizes as well. In general, though, you should view the TV in 16:9 mode as much as possible.
- ✋ Alternately, you can press the **P.SIZE** button on the remote control repeatedly to change the picture size.
- **16:9** : Sets the picture to 16:9 wide mode.
- **Zoom1**: Magnifies the size of the picture on the screen.
- **Zoom2**: Magnifies the size of the picture more than **Zoom1**.
- **Wide Fit**: Enlarges the aspect ratio of the picture to fit the entire screen.
- **4:3** : Sets the picture to 4:3 normal mode.
- **Screen Fit**: Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p), Component (1080i/1080p) or DTV (1080i) signals are input.
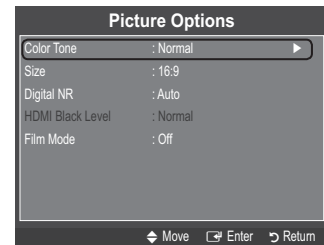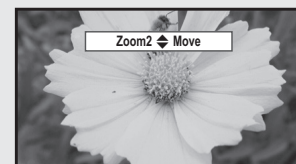
| **16:9** | **Zoom1** | **Zoom2** |
| **Wide Fit** | **4:3** | **Screen Fit** |

- Ⓝ Temporary image retention may occur when viewing a static image on the set for more than two hours.
- Ⓝ After selecting **Zoom1, Zoom2** or **Wide Fit**: Press the ◄ or ► button to select **Position**, then press the **ENTER**↵ button. Press the ▲ or ▼ button to move the picture up and down.
- Ⓝ After selecting **Screen Fit** in HDMI (1080i/1080p) or Component (1080i/1080p) mode, you made need to center the picture: Press the ◄ or ► button to select **Position**, then press the **ENTER**↵ button. Press the ▲, ▼, ◄ or ►button to move the picture.
   Reset: Press the ◄ or ►button to select **Reset**, then press the **ENTER**↵ button. You can initialize the setting.
- Ⓝ HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720)
- Ⓝ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

Input Source	Picture Size
TV, AV, Component (480i, 480p)	**16:9, Zoom1, Zoom2, 4:3**
DTV(1080i), Component (1080i, 1080p), HDMI (720p, 1080i, 1080P)	**16:9, 4:3, Wide Fit, Screen Fit**
PC	**16:9, 4:3**

- ■ **Digital NR → Off / Low / Medium / High / Auto**

   If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.
   - Ⓝ When the signal is weak, select one of the other options until the best picture is displayed.

- ■ **HDMI Black Level → Normal / Low**

   You can select the black level on the screen to adjust the screen depth.
   - Ⓝ This function is active only when an external device is connected to the TV via HDMI. The **HDMI Black Level** function may not be compatible with all external devices.

- ■ **Film Mode → Off / Auto**

   The TV can be set to automatically sense and process film signals from all sources and adjust the picture for optimum quality.
   - Ⓝ **Film Mode** is supported in TV, Video, Component (480i / 1080i) and HDMI (480i / 1080i).

- ❑ **Picture Reset → Reset Picture Mode / Cancel**

   Resets all picture settings to the default values.
   - Ⓝ **Reset Picture Mode**: Current picture values return to default settings.

Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on 'Control Panel' in the Windows start menu.
2. When the control panel window appears, click on 'Appearance and Themes' and a display dialog-box will appear.
3. When the control panel window appears, click on 'Display' and a display dialog-box will appear.
4. Navigate to the 'Settings' tab on the display dialog-box.
   The correct size setting (resolution): Optimum: 1920 X 1080 pixels
   If a vertical frequency option exists on your display settings dialog box, the correct value is '60' or '60 Hz'. Otherwise, just click 'OK' and exit the dialog box.

Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacturing.

■ **D-Sub and HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 X 350	31.469	70.086	25.175	+/-
	720 X 400	31.469	70.087	28.322	-/+
MAC	640 X 480	35.000	66.667	30.240	-/-
	832 X 624	49.726	74.551	57.284	-/-
	1152 X 870	68.681	75.062	100.000	-/-
VESA CVT	720 X 576	35.910	59.950	32.750	-/+
	1152 X 864	53.783	59.959	81.750	-/+
	1280 X 720	44.772	59.855	74.500	-/+
	1280 X 960	75.231	74.857	130.000	-/+
	1280 X 720	56.456	74.777	95.750	-/+
VESA DMT	640 X 480	31.469	59.940	25.175	-/-
	640 X 480	37.861	72.809	31.500	-/-
	640 X 480	37.500	75.000	31.500	-/-
	800 X 600	37.879	60.317	40.000	+/+
	800 X 600	48.077	72.188	50.000	+/+
	800 X 600	46.875	75.000	49.500	+/+
	1024 X 768	48.363	60.004	65.000	-/-
	1024 X 768	56.476	70.069	75.000	-/-
	1024 X 768	60.023	75.029	78.750	+/+
	1152 X 864	67.500	75.000	108.000	+/+
	1280 X 1024	63.981	60.020	108.000	+/+
	1280 X 1024	79.976	75.025	135.000	+/+
	1280 X 800	49.702	59.810	83.500	-/+
	1280 X 800	62.795	74.934	106.500	-/+
	1280 X 960	60.000	60.000	108.000	+/+
	1360 X 768	47.712	60.015	85.500	+/+
	1440 X 900	55.935	59.887	106.500	-/+
	1440 X 900	70.635	74.984	136.750	-/+
	1680 X 1050	65.290	59.954	146.250	-/+
VESA GTF	1280 X 720	52.500	70.000	89.040	-/+
	1280 X 1024	74.620	70.000	128.943	-/-
VESA DMT / DTV CEA	1920 X 1080p	67.500	60.000	148.500	+/+

✐ When using an HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.

Setting up the TV with your PC

✐ **Preset**: Press the **SOURCE** button to select PC mode.

❏ **Auto Adjustment**

Use the Auto Adjust function to have the TV set automatically adjust the video signals it receives. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

⤓ Press the **TOOLS** button to display the **Tools** menu. You can also set the Auto Adjustment by selecting **Tools → Auto Adjustment.**

✐ This function does not work in DVI-HDMI mode.

Brightness	: 45
Sharpness	: 50
Auto Adjustment	▶
Screen	
Advanced Settings	
Picture Options	
Picture Reset	
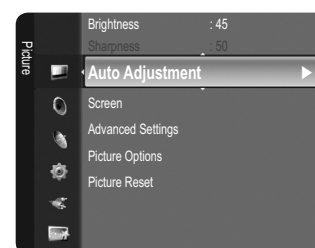
❏ **Screen**

The purpose of the picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then make the vertical frequency adjustments on your PC and fine tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of the screen.

■ **Coarse / Fine**

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (**Coarse**) and Fine-tune again. After the noise has been reduced, readjust the picture so that it is aligned on the center of screen.

■ **PC Position**

Adjust the PC's screen positioning if it does not fit the TV screen. Press the ▲ or ▼ button to adjusting the Vertical-Position. Press the ◄ or ►button to adjust the Horizontal-Position.

■ **Image Reset**

You can replace all image settings with the factory default values.

SOUND CONTROL

Configuring the Sound Menu

❏ **Mode → Standard / Music / Movie / Clear Voice / Custom**

You can select a sound mode to suit your personal preferences.

🎮 Press the **S.MODE** button on the remote control repeatedly to select one of the sound settings.

❏ **Equalizer**

The sound settings can be adjusted to suit your personal preference.

■ **Mode**

Selects the sound mode among the predefined settings.

■ **Balance L/R**

Adjusts the balance between the right and left speaker.

■ **100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment)**

To adjust the level of different bandwidth frequencies.

■ **Reset**

Resets the equalizer settings to the default values.

❏ **SRS TruSurround HD → Off / On**

SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

🎮 Press the **SRS** button on the remote control to select **On** or **Off**.

❏ **Preferred Language (digital channels only)**

Digital-TV broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).

🎮 You can listen in a language other than the **Preferred Language** by pressing the **MTS** button on the remote control.

✎ **Preferred Language** is available only in Digital TV mode.

✎ You can only select the language from among the actual languages being broadcast.

❏ **Multi-Track Sound (MTS) (analog channels only)**

🎮 Press the **MTS** button on the remote control repeatedly to select **Mono, Stereo** or **SAP**.

● **Mono**: Choose for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal.

● **Stereo**: Choose for channels that are broadcasting in stereo.

● **SAP**: Choose to listen to the Separate Audio Program, which is usually a foreign-language translation.

✎ **Multi-Track Sound** is available only in Analog TV mode.

✎ Depending on the particular program being broadcast, you can listen to **Mono, Stereo** or **SAP**.

❏ **Auto Volume → Off / On**

Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.
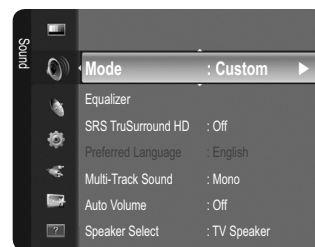
❑ **Speaker Select**

When you watch TV with it connecting to a Home theater, turn the TV speakers off so you can listen to sound from the Home theater's (external) speakers.

■ **External Speaker:** Used to listen to the sound of the External (Home Theater) Speakers.

■ **TV Speaker:** Used to listen to the sound of the TV Speakers.

  ✎ If you select **External Speake**r in the **Speaker Select** menu, the sound settings will be limited.

  ✎ The volume and **MUTE** buttons do not operate when the **Speaker Select** is set to **External Speaker**. Please set the volume on your Home theater.

	TV's Internal Speakers	Audio Out (Optical, L/R Out) to Sound System
	RF, AV, Component, PC, HDMI	RF, AV, Component, PC, HDMI
TV Speaker	Sound Output	Sound Output
External Speaker	Mute	Sound Output
Video No Signal	Mute	Mute

❑ **Sound Reset → Reset All / Reset Sound Mode / Cancel**

You can restore the Sound settings to the factory defaults.

  ✎ **Reset Sound Mode**: Current sound values return to default settings.

SETUP

Configuring the Setup Menu

❑ **Language**

You can set the menu language.

❑ **Time**

■ **Clock**

Setting the clock is necessary in order to use the various timer features of the TV.

  ✎ The current time will appear every time you press the **INFO** button.

  ✎ If you disconnect the power cord, you have to set the clock again.

  ● **Clock Mode**

    You can set up the current time manually or automatically.

    – **Auto**: Set the current time automatically using the time from a digital broadcast.

    – **Manual**: Set the current time to a manually specified time.

    ✎ Depending on the broadcast station and signal, the auto time may not be set correctly. If this occurs, set the time manually.

    ✎ The Antenna or cable must be connected in order to set the time automatically.

  ● **Clock Set**

    You can set the current time manually.

    ✎ This function is only available when **Clock Mode** is set to **Manual**.

    ✎ You can set the month, day, year, hour, minute and am/pm directly by pressing the number buttons on the remote control.

  ● **Time Zone**

    Select your time zone.

    ✎ This function is only available when **Clock Mode** is set to **Auto**.

  ● **DST** (Daylight Saving Time) → **Off / On / Auto**

    Switches the Daylight Saving Time function on or off.

    ✎ This function is only available when **Clock Mode** is set to **Auto**.

■ **Sleep Timer**

The sleep timer automatically shuts off the TV after a preset time (30, 60, 90, 120, 150 and 180 minutes).

  ⌐ Press the **TOOLS** button to display the **Tools** menu. You can also set the sleep timer by selecting **Tools → Sleep Timer**.

  ✎ To cancel the **Sleep Timer** function, select **Off**.
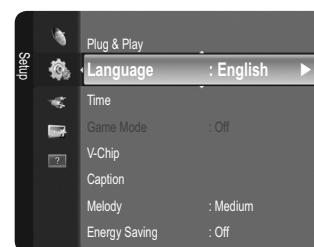
■ **Timer 1 / Timer 2 / Timer 3**

Three different on / off timer settings can be made. You must set the clock first.

- ● **On Time**: Set the hour, minute, am/pm, and activate/inactivate. (To activate the timer with the setting you've chosen, set to **Activate**.)
- ● **Off Time**: Set the hour, minute, am/pm, and activate/inactivate. (To activate the timer with the setting you've chosen, set to **Activate**.)
- ● **Volume**: Set the desired volume level.
- ● **Antenna**: View antenna type. (**Air** or **Cable**)
  - ∅ You can set the Antenna by selecting **Channel → Antenna**. (refer to page 15)
- ● **Channel**: Select the desired channel.
- ● **Repeat**: Select **Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun** or **Manual**.
  - ∅ When **Manual** is selected, press the ▶button to select the desired day of the week. Press the **ENTER** button over the desired day and the ✓ mark will appear.
- ∅ You can set the hour, minute and channel by pressing the number buttons on the remote control.
- ∅ **Auto Power Off**
  When you set the timer On, the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by the timer. This function is only available in timer On mode and prevents overheating, which may occur if a TV is on for too long time.

❏ **Game Mode → Off / On**

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting the game menu.

- ∅ Restrictions on game mode (Caution)
  - – To disconnect the game console and connect another external device, set **Game Mode** to **Off** in the setup menu.
  - – If you display the TV menu in **Game mode**, the screen shakes slightly.
- ∅ If **Game Mode** is **On** :
  - – Picture mode is automatically changed to **Standard** and cannot be changed.
  - – Sound mode is automatically changed to **Custom** and cannot be changed. Adjust the sound using the equalizer.
  - – The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer settings to the factory defaults.
- ∅ **Game Mode** is not available in regular TV and PC mode.
- ∅ If the picture is poor when external device is connected to TV, check if **Game Mode** is **On**. Set **Game Mode** to **Off** and connect external devices.

❏ **V-Chip**

The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.

- ∅ **V-Chip** function is not available in HDMI, Component or PC mode.
- ∅ The default PIN number of a new TV set is **0-0-0-0**.
- ∅ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to **0-0-0-0** : **POWER** (Off) → **MUTE** → **8** → **2** → **4** → **POWER** (On).
- ∅ **Allow all**: Press to unlock all TV ratings. / **Block all**: Press to lock all TV ratings.

■ **V-Chip Lock → Off / On**

You can block rated TV Programs.

■ **TV Parental Guidelines**

You can block TV programs depending on their rating. This function allows you to control what your children are watching.

- ● **TV-Y**: Young children / **TV-Y7**: Children 7 and over / **TV-G**: General audience / **TV-PG**: Parental guidance / **TV-14**: Viewers 14 and over / **TV-MA**: Mature audience
- ● **ALL**: Lock all TV ratings. / **FV**: Fantasy violence / **V**: Violence / **S**: Sexual situation / **L**: Adult Language / **D**: Sexually Suggestive Dialog

TV Parental Guidelines

- ∅ The V-Chip will automatically block certain categories that are more restrictive. For example, if you block **TV-Y** category, then **TV-Y7** will automatically be blocked. Similarly, if you block the **TV-G** category, then all the categories in the young adult group will be blocked (**TV-G, TV-PG, TV-14** and **TV-MA**). The sub-ratings (**D, L, S, V**) work together similarly.
- ∅ The V-chip will automatically block certain categories that are 'More restrictive'. For example, if you block **L** sub-rating in **TV-PG**, then the **L** sub-ratings in **TV-14** and **TV-MA** will automatically be blocked.
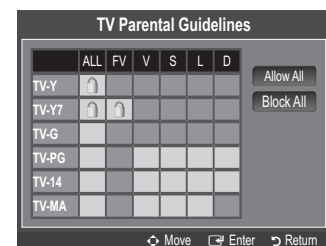
■ **MPAA Rating**

You can block movies depending on their MPAA rating. The Motion Picture Association of America(MPAA) has implemented a rating system that provides parents or guardians with advance information on which films are appropriate for children.

- **G**: General audience (no restrictions).
- **PG**: Parental guidance suggested.
- **PG-13**: Parents strongly cautioned.
- **R**: Restricted. Children under 17 should be accompanied by an adult.
- **NC-17**: No children under age 17.
- **X**: Adults only.
- **NR**: Not rated.
- ✍ The V-Chip will automatically block any category that is 'More restrictive'. For example, if you block the **PG-13** category, then **R**, **NC-17** and **X** will automatically be blocked also.

MPAA Rating	
G	
PG	Allow All
PG-13	Block All
R	
NC-17	
X	
NR	
✧ Move ⏎ Enter ↩ Return	
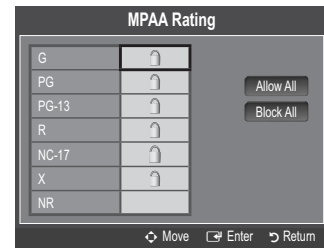
■ **Canadian English**

- **C**: Programming intended for children under age 8.
- **C8+**: Programming generally considered acceptable for children 8 years and over to watch on their own.
- **G**: General programming, suitable for all audiences.
- **PG**: Parental Guidance.
- **14+**: Programming contains themes or content which may not be suitable for viewers under the age of 14.
- **18+**: Adult programming.
- ✍ The V-Chip will automatically block any category that is 'More restrictive'. For example, if you block **G** category, then **PG, 14+** and **18+** will automatically be blocked also.

■ **Canadian French**

- **G**: General
- **8 ans+**: Programming generally considered acceptable for children 8 years and over to watch on their own.
- **13 ans+**: Programming may not be suitable for children under the age of 13.
- **16 ans+**: Programming is not suitable for children under the age of 16.
- **18 ans+**: Programming restricted to adults.
- ✍ The V-Chip will automatically block any category that is 'More restrictive'. For example, if you block **8 ans+** category, then **13 ans+, 16 ans+** and **18 ans+** will automatically be blocked also.

■ **Downloadable U.S. Rating**

Parental restriction information can be used while watching DTV channels

- ✍ If information is not downloaded from the broadcasting station, the **Downloadable U.S. rating** menu is deactivated.
- ✍ Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.
- ✍ The **Downloadable U.S. rating** menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.
- ✍ Parental restriction levels differ depending on the broadcasting station. The default menu name and Downloadable US rating changes depending on the downloaded information.
- ✍ Even if you set the On-screen display to your desired language, the **Downloadable U.S. Rating** menu will appear in English only.
- ✍ The rating will automatically block certain categories that are more restrictive.
- ✍ The rating titles (For example: Humor Level..etc) and TV ratings (For example: **DH, MH, H**..etc) may differ depending on the broadcasting station.

The number of current rating information
The number of all rating information
Rating title

Downloadable U.S. Rating	
Humor Level	▶ 1/2
DH	Allow All
MH	Block All
H	
VH	
EH	
✧ Move ⏎ Enter ↩ Return	
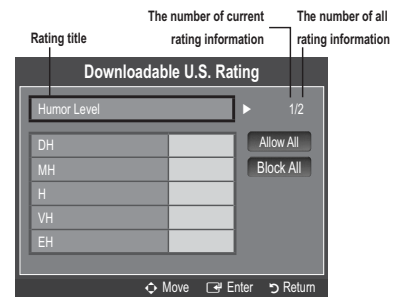
■ **Change PIN**

The **Change PIN** screen will appear. Choose any 4 digits for your PIN and enter them.

As soon as the 4 digits are entered, the **Confirm New PIN** screen appears. Re enter the same 4 digits. When the Confirm screen disappears, your PIN has been memorized.

- ✍ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to **0-0-0-0** : **POWER** (Off) → **MUTE** → **8** → **2** → **4** → **POWER** (On).

How to Reset the TV after the V-Chip Blocks a Channel (Emergency Escape)

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear:

1. Enter your PIN, then press the **ENTER** ⏎ button and press the ▲ or ▼ button to temporarily disable the V-Chip Lock.

- ✍ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to **0-0-0-0** : **POWER** (Off) → **MUTE** → **8** → **2** → **4** → **POWER** (On)

Received Rating: TV-14/NL
This channel is blocked by a Parental Lock. Prees enter the PIN to unblock.
⇕ Change   [0~9] Enter PIN

❏ **Caption (On-Screen Text Messages)**

■ **Caption → Off / On**

You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.

🖳 Press the **CC** button on the remote control to turn the Caption on or off.

🖉 The Caption feature doesn't work in Component, HDMI or PC modes.

■ **Caption Mode**

You can select the desired caption mode.

🖉 The availability of captions depends on the program being broadcast.

● **Default / CC1~CC4 / Text1~Text4** (analog channels only)

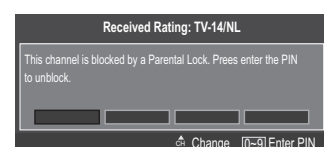The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to TV. (Depending on the broadcasting signal, the Analog Caption function may operate on digital channels.)

● **Default / CC1~CC4 / Text1~Text4 / Service1~Service6** (digital channels only)

The Digital Captions function operates on digital channels.

🖉 Service1~6 in digital caption mode may not be available depending on the broadcast.

■ **Digital Caption Options (digital channels only)**

● **Size**: This option consists of **Default**, **Small**, **Standard** and **Large**. The default is **Standard**.

● **Font Style**: This option consists of **Default**, **Style 0 ~ Style 7**. You can change the font you want. The default is **Style 0**.

● **Foreground Color**: This option consists of **Default, White, Black, Red, Green, Blue, Yellow, Magenta** and **Cyan**. You can change the color of the letter. The default is **White**.

● **Background Color**: This option consists of **Default, White, Black, Red, Green, Blue, Yellow, Magenta** and **Cyan**. You can change the background color of the caption. The default is **Black**.

● **Foreground Opacity**: This option consists of **Default, Transparent, Translucent, Solid** and **Flashing**. You can change the opacity of the letter.

● **Background Opacity**: This option consists of **Default, Transparent, Translucent, Solid** and **Flashing**. You can change the background opacity of the caption.

● **Return to Default**: This option sets each of **Size, Font Style, Foreground Color, Background color, Foreground Opacity** and **Background Opacity** to its default.

🖉 The **Digital Caption Options** are only enabled when the **Caption Mode** is Service 1 ~ Service 6. (If **Caption Mode** is the default, the **Digital Caption Options** are enabled depending on the broadcast.)

🖉 The availability of captions depends on the program being broadcast.

🖉 **Default** means to follow the standard set by the broadcaster.

🖉 Foreground and Background cannot be set to have the same color.

🖉 **Foreground Opacity** and **Background Opacity** cannot be both set to Transparent.

❏ **Melody → Off / Low / Medium / High**

A melody sound can be set to come on when the TV is powered On or Off.

🖉 The Melody does not play.

   – When no sound is output from the TV because the **MUTE** button has been pressed.

   – When no sound is output from the TV because the volume has been reduced to minimum with the **VOL –** button.

   – When the TV is turned off by Sleep Timer function.

❏ **Energy Saving → Off / Low / Medium / High / Auto**

This feature adjusts the brightness of the TV in order to reduce power consumption. When watching TV at night, set the **Energy Saving** mode option to **High** to reduce eye fatigue as well as power consumption.

INPUT / SUPPORT

Configuring the Input Menu

❑ **Source List**

Use to select TV or other external input sources such as DVD / Blu-ray players / Cable Box / Satellite receivers (Set-Top Box) connected to the TV. Use to select the input source of your choice.

⌦ Press the **SOURCE** button on the remote control to view an external signal source. TV mode can be selected by pressing the **TV** button.

■ **TV / AV / Component / PC / HDMI1/DVI / HDMI2**

  ⧄ You can choose only those external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted and sorted to the top. Inputs that are not connected will be sorted to the bottom.

  ⧄ PC always stay activated.

  ⧄ **Using the Color buttons on the remote with the Source list**
    – Red (**Refresh**): Refreshes the connected external devices. Press this if your Source is on and connected, but does not appear in the list.
    – **TOOLS** (**Tools**): Displays the **Edit Name** and **Information** menus.
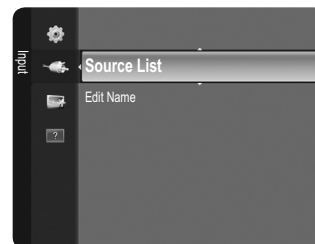
❑ **Edit Name**

Name the device connected to the input jacks to make your input source selection easier.

■ **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI / TV / IPTV / Blu-ray / HD DVD / DMA**

  ⧄ When a PC with a resolution of 1920 X 1080 @ 60Hz is connected to the **HDMI IN 1(DVI)** port, you should set the **HDMI1/DVI** mode to **DVI PC** in the **Edit Name** of the **Input** mode.

  ⧄ When connecting an HDMI/DVI cable to the **HDMI IN 1(DVI)** port, you should set the **HDMI1/DVI** mode to **DVI** or **DVI PC** in the **Edit Name** of the **Input** mode. In this case, a separate sound connection is required.

Configuring the Support Menu

❑ **Self Diagnosis**

■ **Picture Test**

If you think you have a picture problem, perform the picture test. Check the color pattern on the screen to see if the problem still exists.

  ● **Yes**: If the test pattern does not appear or there is noise in the test pattern, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
  ● **No**: If the test pattern is properly displayed, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.

■ **Sound Test**

If you think you have a sound problem, please perform the sound test. You can check the sound by playing a built-in melody sound through the TV. 'Does the problem still exist with this sound test?' appears on the screen.

  ⌦ If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV speaker** in the Sound menu.

  ⌦ The melody will be heard during the test even if **Speaker Select** is set to **External Speaker** or the sound is muted by pressing the **MUTE** button.

  ● **Yes**: If during the sound test you can hear sound only from one speaker or not at all, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
  ● **No**: If you can hear sound from the speakers, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.

■ **Signal Strength (digital channels only)**

Unlike analog channels, which can vary in reception quality from '**snowy**' to clear, digital (HDTV) channels have either perfect reception quality or you will not receive them at all. So, unlike analog channels, you cannot fine tune a digital channel. You can, however, adjust your antenna to improve the reception of available digital channels.

  ⌦ If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.
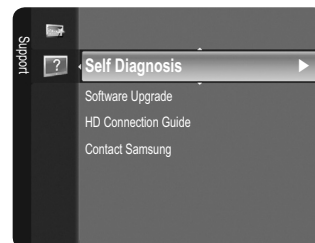
❑ **Software Upgrade**

Samsung may offer upgrades for TV's firmware in the future. Please visit Samsung.com or contact the Samsung call center at 1-800-SAMSUNG (726-7864) to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the **SERVICE** port located on your TV.

✐ Insert a USB drive containing the firmware upgrade into the **SERVICE** port on the side of the TV.

✐ Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.
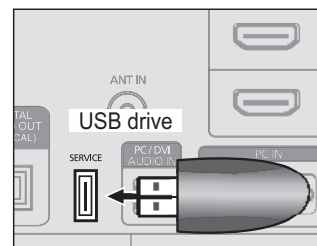
❑ **HD Connection Guide**

This menu presents the connection method that provides the optimal quality for the HD TV.
Refer to this information when connecting external devices to the TV.

❑ **Contact Samsung**

View this information when your TV does not work properly or when you want to upgrade the software.
You can view the information regarding the call center, product and software file download method.

ANYNET⁺

Connecting Anynet⁺ Devices

Anynet⁺ is a function that enables you to control all connected Samsung devices that support Anynet⁺ with your Samsung TV's remote.
The Anynet⁺ system can be used only with Samsung devices that have the Anynet⁺ feature. To be sure your Samsung device has this feature, check if there is an Anynet⁺ logo on it.

<u>To connect to a TV</u>
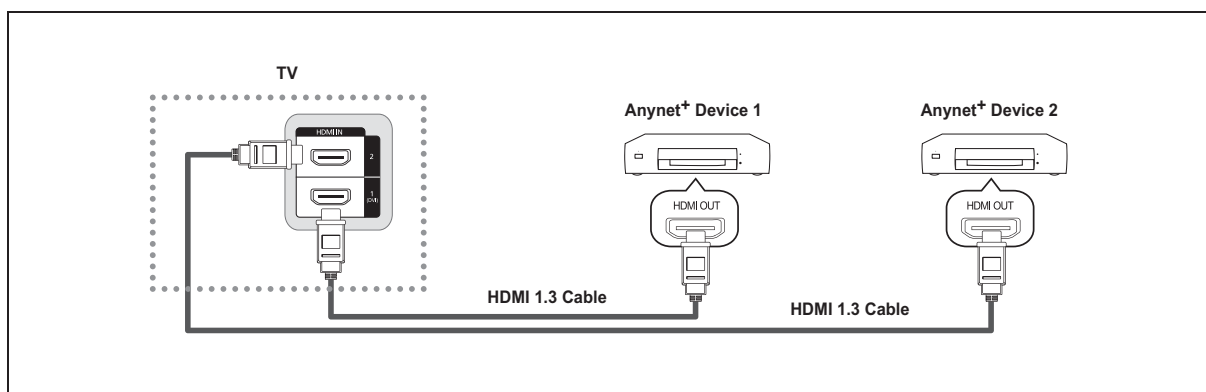
1. Connect the **HDMI IN 1(DVI), 2** jack on the TV and the HDMI OUT jack of the corresponding Anynet⁺ device using an HDMI cable.

To connect to Home Theater
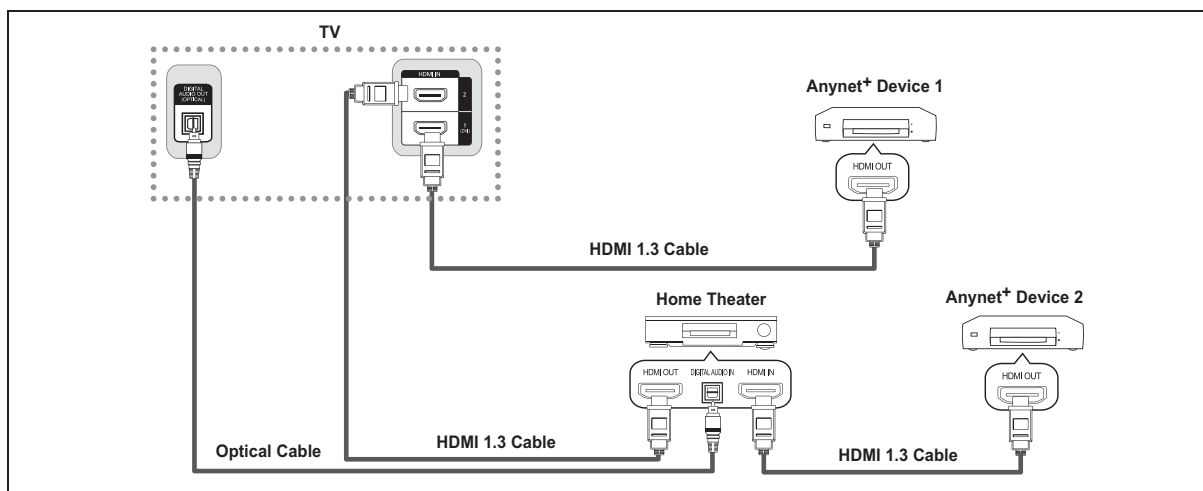
TV

Anynet⁺ Device 1

Anynet⁺ Device 2

Home Theater

HDMI 1.3 Cable

Optical Cable

HDMI 1.3 Cable

HDMI 1.3 Cable

1. Connect the **HDMI IN 1(DVI), 2** jack on the TV and the HDMI OUT jack of the corresponding Anynet⁺ device using an HDMI cable.

2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet⁺ device using an HDMI cable.

✎ Connect the Optical cable between the **DIGITAL AUDIO OUT (OPTICAL)** jack on your TV and the Digital Audio Input on the Home Theater.

✎ When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV.

✎ Connect only one Home Theater.

✎ You can connect an Anynet⁺ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet⁺ functions.

✎ Anynet⁺ works when the AV device supporting Anynet⁺ is in the Standby or On status.

✎ Anynet⁺ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet⁺

🗗 Press the **TOOLS** button to display the **Tools** menu. You can also display Anynet⁺ menu by selecting **Tools → Anynet⁺ (HDMI-CEC)**.

❏ **Setup**

■ **Anynet⁺ (HDMI-CEC) → Off / On**

To use the Anynet⁺ Function, Anynet⁺ (HDMI-CEC) must be set to **On**.

✎ When the **Anynet⁺ (HDMI-CEC)** function is disabled, all the Anynet⁺ related operations are deactivated.

■ **Auto Turn Off → No / Yes**

Setting an Anynet⁺ Device to turn Off Automatically when the TV is Turned Off

✎ The active source on the TV remote must be set to TV to use the Anynet⁺ function.

✎ If you set **Auto Turn Off** to **Yes**, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.

Switching between Anynet⁺ Devices

1. Press the **TOOLS** button. Press the **ENTER**↵ button to select **Anynet⁺ (HDMI-CEC)**.

2. Press the ▲ or ▼ button to select **Device List**, then press the **ENTER**↵ button.
   - ✎ Anynet⁺ devices connected to the TV are listed.
   - ✎ If you cannot find a device you want, press the red button to scan for devices.

3. Press the ▲ or ▼ button to select a particular device and press the **ENTER**↵ button. It is switched to the selected device.
   - ✎ Only when you set **Anynet⁺ (HDMI-CEC)** to **On** in the **Application** menu, the **Device List** menu appears.

- ✎ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
- ✎ The time required to scan for devices is determined by the number of connected devices.
- ✎ When the device scan is complete, the number of devices found are not displayed.
- ✎ Although the TV automatically searches the device list when the TV is turned on via the power button, devices connected to the TV when the TV is on or under some conditions are not automatically displayed in the device list. Press the red button to search for the connected device.
- ✎ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet⁺ function. Make sure to switch to an Anynet⁺ device by using the **Device List**.

Anynet⁺ Menu

The Anynet⁺ menu changes depending on the type and status of the Anynet⁺ devices connected to the TV.

Anynet⁺ Menu	Description
View TV	Anynet⁺ mode changes to TV broadcast mode.
Device List	Shows the Anynet⁺ device list.
(device_name) **Menu**	Shows the connected device menus. E.g. If a DVD recorder is connected, the disc menu of the DVD recorder will appear.
(device_name) **Operation**	Shows the play menu of the connected device. E.g. If a DVD recorder is connected, the play menu of the DVD recorder will appear.
Record: (*recorder)	Starts recording immediately using the recorder. (This is only available for devices that support the recording function.)
Stop Recording: (*recorder)	Stops recording.
Receiver	Sound is played through the receiver.

- ✎ If more than one recording device is connected, they are displayed as (*recorder) and if only one recording device is connected, it will be represented as (*device_name).

TV Remote Control Buttons Available in Anynet⁺ Mode

Device Type	Operating Status	Available Buttons
Anynet⁺ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER**↵ buttons Color buttons / **EXIT** button
	After switching to the device, while playing a file	◄◄ (Backward search) / ►► (Forward search) / ■ (Stop) / ► (Play) / ❚❚ (Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV program	∨ **CH** ∧ button
Audio Device	When Receiver is activated	− **VOL** + / **MUTE** button

- ✎ The Anynet⁺ function only works when the active source on the TV remote control is set to TV.
- ✎ The [●] button works only while in the recordable state.
- ✎ You cannot control Anynet⁺ devices using the buttons on the TV. You can control Anynet⁺ devices only using the TV remote control.
- ✎ The TV remote control may not work under certain conditions. If this occurs, reselect the Anynet⁺ device.
- ✎ The Anynet⁺ functions do not operate with other manufacturers' products.
- ✎ The ◄◄, ►► operations may differ depending on the device.

Recording

You can make a recording of a TV program using a Samsung recorder.

1. Press the **TOOLS** button. Press the **ENTER**◄┘ button to select **Anynet⁺ (HDMI-CEC)**.

2. Press the ▲ or ▼ button to select Recording Immediately and press the **ENTER**◄┘ button. Recording begins.

   Ø **When there is more than one recording device**

   When multiple recording devices are connected, the recording devices are listed. Press the ▲ or ▼ button to select a recording device and press the **ENTER**◄┘ button. Recording begins.

   Ø **When the recording device is not displayed**

   Select **Device List** and press the red button to search devices

3. Press the **EXIT** button to exit.

Ø You can record the source streams by selecting **Record**: (device_name).

Ø Pressing the [●] button will record whatever you are currently watching. If you are watching video from another device, the video from the device is recorded.

Ø Before recording, check whether the antenna jack is properly connected to the recording device. To properly connect an antenna to a recording device, refer to the recording device's users manual.
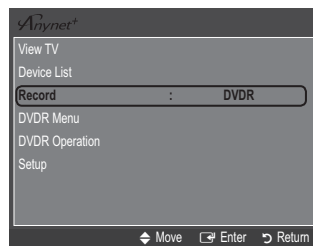
Listening through a Receiver (Home theater)

You can listen to sound through a receiver instead of the TV speaker.

1. Press the **TOOLS** button. Press the **ENTER**◄┘ button to select **Anynet⁺ (HDMI-CEC)**.

2. Press the ▲ or ▼ button to select **Receiver**. Press the ◄ or ► button to select **On** or **Off**.

3. Press the **EXIT** button to exit.

   Ø If your receiver supports audio only, it may not appear in the device list.

   Ø The receiver will work when you have properly connected the optical in jack of the receiver to the **DIGITAL AUDIO OUT (OPTICAL)** jack of the TV.

   Ø When the Home Theater receiver is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver.

   Ø If there is a power interruption to the TV when the **Receiver** is set to **On** (by disconnecting the power cord or a power failure), the **Speaker Select** may be set to **External Speaker** when you turn the TV on again.
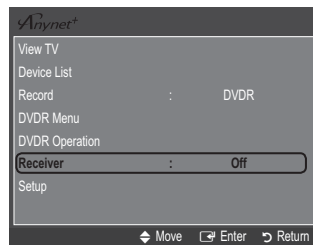
Troubleshooting for Anynet⁺

Problem	Possible Solution
Anynet⁺ does not work.	• Check if the device is an Anynet⁺ device. The Anynet⁺ system supports Anynet⁺ devices only. • Connect only one receiver (home theater). • Check if the Anynet⁺ device power cord is properly connected. • Check the Anynet⁺ device's Video/Audio/HDMI 1.3 cable connections. • Check whether **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet⁺ setup menu. • Check whether the TV remote control is in TV mode. • Check whether it is Anynet⁺ exclusive remote control. • Anynet⁺ doesn't work in certain situations. (Searching channels, Operating, **Plug & Play**, etc.) • When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or turn your TV off and on again. • Check if the Anynet⁺ Function of Anynet⁺ device is set on.
I want to start Anynet⁺.	• Check if the Anynet⁺ device is properly connected to the TV and check if the **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet⁺ Setup menu. • Press the **TV** button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the Anynet⁺ menu and select a menu you want.
I want to exit Anynet⁺.	• Select View TV in the Anynet⁺ menu. • Press the **SOURCE** button on the TV remote control and select a device other than Anynet⁺ devices. • Press ∨ **CH** ∧, **CH LIST**, **PRE-CH** and **FAV.CH** to change the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet⁺ device is not connected.)
The message Connecting to Anynet⁺ device... appears on the screen.	• You cannot use the remote control when you are configuring Anynet⁺ or switching to a view mode. • Use the remote control when the Anynet⁺ setting or switching to view mode is complete.
The Anynet⁺ device does not play.	• You cannot use the play function when **Plug & Play** is in progress.
The connected device is not displayed.	• Check whether or not the device supports Anynet⁺ functions. • Check whether or not the HDMI 1.3 cable is properly connected. • Check whether **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet⁺ setup menu. • Search Anynet⁺ devices again. • You can connect an Anynet⁺ device using the HDMI 1.3 cable only. Some Some HDMI cables may not support Anynet+ functions. • If it is terminated by an abnormal situation such as disconnecting the HDMI cable or power cord or a power failure, please repeat the device scan.
The TV program cannot be recorded.	• Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	• Connect the optical cable between TV and the receiver.

APPENDIX

Troubleshooting

If the TV seems to have a problem, first try this list of possible problems and solutions. If none of these troubleshooting tips apply, visit samsung.com, then click on Support or call Samsung customer service at 1-800-SAMSUNG.

Problem	Solution
Poor picture	First of all, please perform the **Picture Test** to confirm that your TV is properly displaying test image. ● Go to **MENU** - **Support** - **Self Diagnosis** - **Picture Test** If the test image is properly displayed, the poor picture may caused by the source or signal.
TV image does not look as good as it did in the store.	● If you have an analog Cable/Satellite Box, upgrade to an HD Box Use HDMI or Component cables to deliver HD picture quality. ● Cable/Satellite subscriber : Try HD(High Definition) stations from channel line up. ● **Air/Cable** Antenna connection : Try HD stations after performing Auto program. ◉ Many HD channels are upscaled from SD(Standard Definition) contents. ● Adjust Cable/Sat box video output resolution to 1080i or 720p.
Picture is distorted: macroblock, small block, dots, pixelization.	● Compression of video contents may cause picture distortion especially on fast moving pictures such as sports and action movies. ● Low signal level can cause picture distortion. This is not a TV problem.
Wrong or missing color with Component connection.	● Make sure the Component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or the screen will be blank.
Poor color or brightness.	● Adjust **Picture** options in the TV menu. (**Picture** mode, **Color, Brightness, Sharpness**) ● Adjust **Energy Saving** option in **Setup** menu. ● Try picture reset to view the default picture setting. (Go to **MENU** - **Picture** - **Picture Reset**)
Dotted line on the edge of screen.	● If picture size is set to **Screen Fit**, change to **16:9.** ● Change cable/satellite box resolution.
Picture is black and white with AV (Composite) input only.	● Connect video cable(Yellow) to Green jack of COMPONENT IN / AV INput 1 of the TV.
Picture freezes or is distorted when changing channels or picture is delayed.	● If connected with cable box, please try to reset cable box. (reconnect AC cord and wait until cable box reboots. It may take up to 20 minutes) ● Set output resolution of cable box to 1080i or 720p.
Sound Problem	First of all, please perform the **Sound Test** to confirm that your TV audio is properly operating. ● Go to **MENU** - **Support** - **Self Diagnosis** - **Sound Test** If the audio is OK, the sound problem may caused by the source or signal.
No sound or sound is too low at maximum volume.	● Please check the volume of device (Cable/Sat Box, DVD, Blu-ray etc) connected to your TV. Then, adjust the TV volume accordingly.
Picture is good but no sound.	● Set the **Speaker Select** option to **TV speaker** in the sound menu. ● Make sure audio cables from an external device are connected to correct audio input jacks on the TV. ● Check connected device's audio output option. (ex: You may need to change your cable box' audio option to HDMI when you have HDMI connected to your TV.) ● If you are using a DVI to HDMI cable, a separate audio cable is required. ● Remove plug from headphone jack. (if available on your TV) ● Reboot the connected device by reconnecting the device's power cable.
Noise from speaker.	● Check cable connections. Make sure a video cable is not connected to an audio input. ● For Antenna/Cable connection, check signal strength. Low signal level may cause sound distortion. ● Perform the **Sound Test** as explained above.

Problem	Solution
No Picture, No Video	
TV won't turn on.	• Make sure the AC power cord is plugged in securely to the wall outlet and the TV. • Make sure the wall outlet is working. • Try pressing the **POWER** button on the TV to make sure the remote is working properly. If the TV turns on, it may be caused by Remote Control. To fix the Remote problem, refer to 'Remote control does not work' below.
TV turns off automatically.	• Check if the **Sleep Timer** is set to **On** in the **Setup** menu. • If connected the TV to your PC, check your PC power settings. • Make sure the AC power cord is plugged in securely to the wall outlet and the TV. • If there is no signal for about 10 ~ 15 minutes with Antenna/Cable connection, the TV will turn off.
No picture/Video.	• Check cable connections. (remove and reconnect all cables of TV and external devices) • Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video output to match the connections to the TV input. For example, external device's output: HDMI, TV's input : HDMI • Make sure your connected device is powered on. • Make sure to select the TV's correct source by pressing the **SOURCE** button on the remote control. • Reboot the connected device by reconnecting the device's power cable.
RF(Cable/Antenna) Connection	
Cannot receive all channels.	• Make sure coaxial cable is connected securely. • Please try **Auto Program** to add available channels to the channel list. Go to **MENU** - **Channel** - **Auto program** then select **Auto** and make sure correct Cable TV signal type is set in the menu. There are 3 options. (**STD, HRC** and **IRC**) • Verify Antenna is positioned correctly.
No Caption on digital channels.	• Check Caption Setup menu. Try changing **Caption** Mode **Service 1** to **CC1**. • Some channels may not have caption data.
Picture is distorted: macroblock, small block, dots, pixelization.	• Compression of video contents may cause picture distortion. especially on fast moving pictures such as sports and action movies. • Low signal level can cause picture distortion. This is not a TV problem.
PC Connection	
'Not Supported Mode' message.	• Set your PC's output resolution so it matches the resolutions supported by the TV.
PC is always shown on source list even if not connected.	• This is normal; PC is always shown on the source list even though a PC is not connected.
Video is OK but there is no audio with HDMI connection.	• Check the audio output setting on your PC.

Problem	Solution
Others	
Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection.	● Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection.
Picture is not shown in full screen.	● Black bars on each side will be shown on HD channels when displaying upscaled SD (4:3) contents. ● Black bars on Top & Bottom will be shown on movies that have aspect ratios different from your TV. ● Adjust picture size option on your external device or TV to full screen.
Remote control does not work.	● Replace the remote control batteries with correct polarity (+/–). ● Clean the transmission window located on the top of the remote. ● Try pointing the remote directly at the TV from 5~6 feet away.
Can not control TV power or volume with Cable/Sat box remote control.	● Program the Cable/Sat remote control to operate the TV. Refer to Cable/Sat user manual for SAMSUNG TV code.
'Not Supported Mode' message.	● Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.
Caption on TV menu is greyed out.	● **Caption** can not be selected in the TV menu when connected via HDMI or Component. ● **Caption** must be activated on the external device.
Plastic smell from TV.	● This smell is normal and will dissipate over time.
TV **Signal Strength** is unavailable in the Self Diagnostic Test menu.	● This function is only available with digital channels with an Antenna (RF/Coax) connection (**Air** or **Cable**).
TV is tilted to right or left side.	● Remove the stand base from TV and reassemble.
Can not assemble stand base.	● Make sure TV is placed on flat surface. If can not remove screws from TV, please use magnetized screw driver.
Channel menu is grey out (unavailable).	● **Channel** menu is only available when TV source is selected (Antenna or Cable).
Your settings are lost after 30 minutes or every time TV is turned off.	● If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from **Store Demo** mode to **Home Use** mode in the **Plug & Play** procedure. Press the **SOURCE** button to select **TV** mode, go to **MENU → Setup → Plug & Play → ENTER** ↵.
Intermittent loss of audio or video.	● Check cable connections and reconnect. ● Can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If wall mounting, we recommend using cables with 90 degree connectors.
You may see small particles if you look closely at the edge of the bezel surrounding the TV screen.	● This is part of the product's design and is not a defect.

N This TFT LCD panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

❑ **Input cables (Sold seperately)**

HDMI	HDMI-DVI	Component	Composite(AV)	Coaxial (RF)	VGA
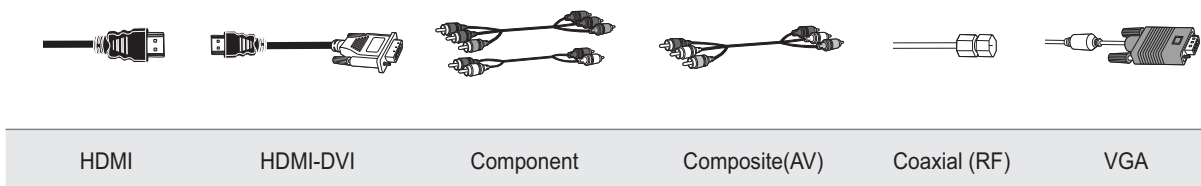
Installing the Stand
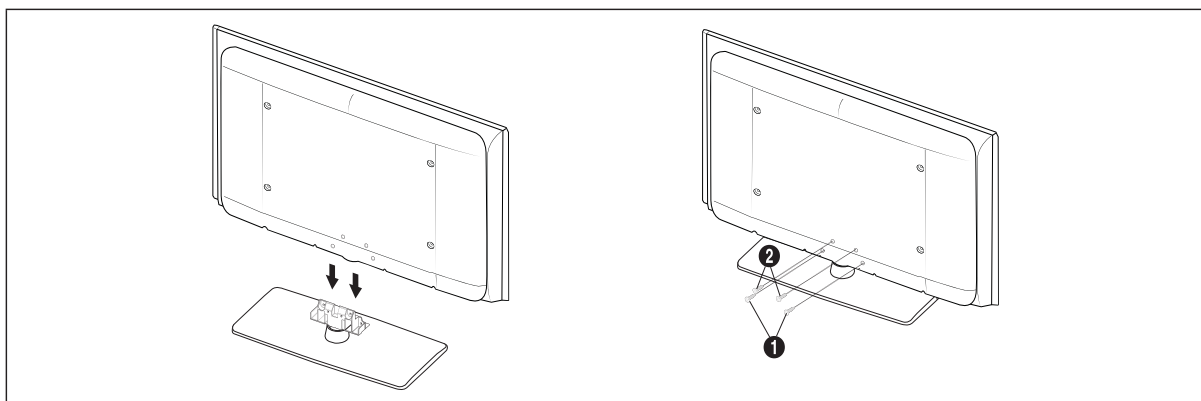
1. Attach your LCD TV to the stand.
    - Ⓝ Two or more people should carry the TV.
    - Ⓝ Make sure to distinguish between the front and back of the stand when attaching it.
    - Ⓝ To make sure the TV is installed on the stand at a proper level, do not apply excess downward pressure to the upper left of right sides of the TV.
2. Fasten two screws at position ❶ and then fasten two screws at position ❷.
    - Ⓝ Stand the product up and fasten the screws. If you fasten the screws with the LCD TV placed down, it may lean to one side.

Disconnecting the Stand
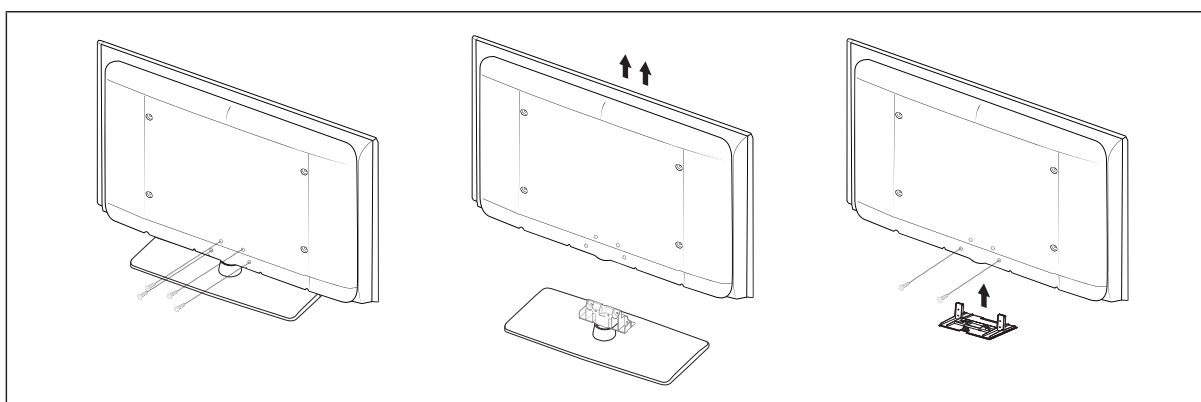
1. Remove screws from the back of the TV.
2. Separate the stand from the TV.
    - Ⓝ Two or more people should carry the TV.
3. Cover the bottom hole with the cover.

Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

- ⍿ Standard dimensions for wall mount kits are shown in the table above.
- ⍿ When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- ⍿ Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- ⍿ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- ⍿ Do not use screws that do not comply with the VESA standard screw specifications.
- ⍿ Do not fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- ⍿ Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- ⍿ Our 57" and 63" models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- ⍿ Do not exceed 15 degrees tilt when mounting this TV.
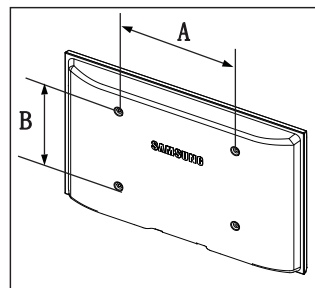
Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
LCD-TV	19 ~ 22	100 X 100	M4	4
	23 ~ 29	200 X 100		
	30 ~ 40	200 X 200	M6	
	46 ~ 55	400 X 400		
	57 ~ 70	800 X 400	M8	
	80 ~	1400 X 800		
PDP-TV	42 ~ 50	400 X 400	M8	4
	58 ~ 63	600 X 400		
	70 ~	800 X 400		
	80 ~	1400 X 800		
LFD	30 ~ 39	200 X 200	M6	4
	40 ~ 52	400 X 400	M8	
	55 ~ 70	800 X 400		
	70 ~	1400 X 800		

⚡ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Using the Anti-Theft Kensington Lock

The Kensington Lock is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer.

Refer to the manual provided with the Kensington Lock for proper use. The locking device has to be purchased separately.

⌦ The location of the Kensington Lock may be different depending on its model.

1. Insert the locking device into the Kensington slot on the LCD TV (❶) and turn it in the locking direction (❷).

2. Connect the Kensington Lock cable (❸).

3. Fix the Kensington Lock to a desk or a heavy stationary object.

<Optional>
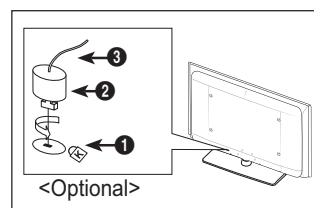
Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.

Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

Install the product so the required distances shown in the figure are kept.

⌦ When using a stand or wall-mount, use parts provided by Samsung Electronics only.
- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
- If you use parts provided by another manufacturer, it may result in a problem with the product or fire due to an increase in the internal temperature of the product due to poor ventilation.

⌦ The appearance may differ depending on the product.

When installing the product with a stand
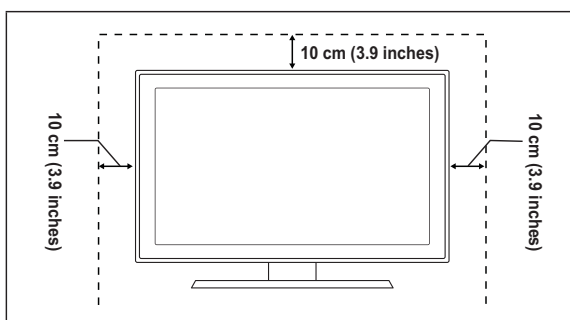
When installing the product with a wall-mount
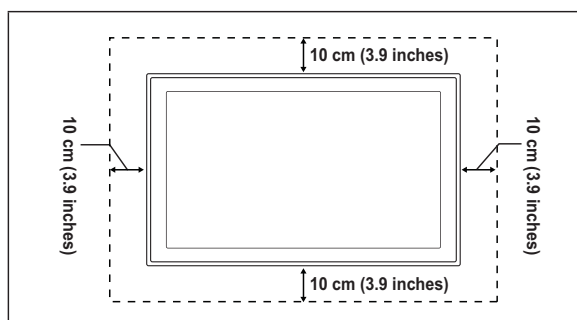
Securing the TV to the Wall

⚠️ **Caution**: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

■ **Components:**

TV-Holder

Screw ❶ (M4 X L16)

■ **To prevent the TV from falling:**

1. Attach the TV-Holder to the TV by fastening the screws ❶ (M4 X L16) into the holes in the center of the TV.
    ✎ Make sure to only use the supplied screws.
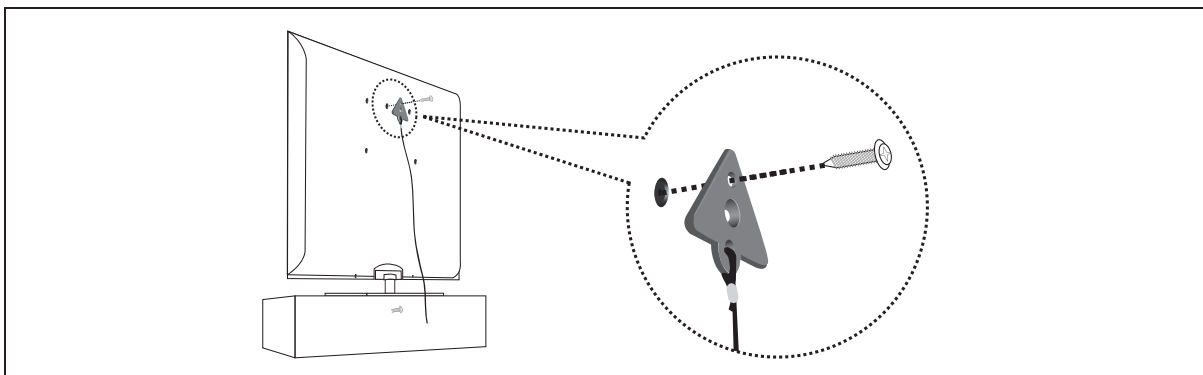
2. Firmly fasten the screws to the wall or cabinet where the TV is to be installed. Tie the TV-Holder attached to the TV and the screws fastened on the wall or cabinet so that the TV is fixed.
    ✎ Purchase the screws to be used on the wall or cabinet separately.
    ✎ Install the TV close to the wall so that it does not fall.
    ✎ When attaching the TV to the wall, tie the cord level with the ground or slanted downwards for safety purposes.
    ✎ Confirm that the cord or link does not come loose frequently.
    ✎ Before moving the TV, separate the connected cord first.
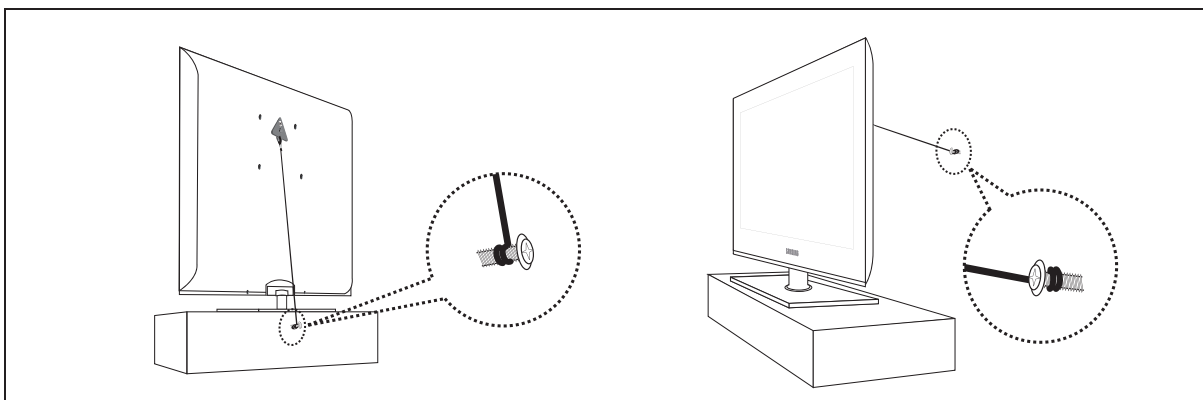
3. Verify all connections are properly secured. Periodically check connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

Specifications

Model Name	LN40B500	LN46B500
Screen Size (Diagonal)	40 inches (40 inches measured diagonally)	46 inches (45.9 inches measured diagonally)
PC Resolution (Optimum)	1920 X 1080 @ 60 Hz	1920 X 1080 @ 60 Hz
Sound (Output)	10W X 2	10W X 2
Dimensions (WxDxH) Without Stand With stand	39.3 X 3.1 X 24.4 inches (998.0 X 78.4 X 620.8 mm) 39.3 X 10.2 X 27.0 inches (998.0 X 260.1 X 686.0 mm)	44.4 X 3.1 X 28.0 inches (1127.0 X 77.8 X 712.1 mm) 44.4 X 10.2 X 30.2 inches (1127.0 X 260.1 X 766.0 mm)
Weight Without Stand With Stand	33.3 lbs (15.1 kg) 39.7 lbs (18.0 kg)	43.7 lbs (19.8 kg) 52.2 lbs (23.7 kg)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	32°F to 122°F (0°C to 50°C) 20% to 90%, non-condensing -4°F to 140°F (-20°C to 60°C) 5% to 90%, non-condensing	
Stand Swivel Left / Right	-20˚ ~ 20˚	

- ✎ Design and specifications are subject to change without prior notice.
- ✎ This device is a Class B digital apparatus.
- ✎ For the power supply and Power Consumption, refer to the label attached to the product.

LN40B500

TOP VIEW

JACK PANEL DETAIL 3.7"H X 6.6"W

39.3"

34.9"

19.7"

24.4"

27.0"

24.4"

3.1"

9.4"

FRONT VIEW / SIDE VIEW

7.9" (200 mm)

7.9" (200 mm)

REAR VIEW

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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LN46B500
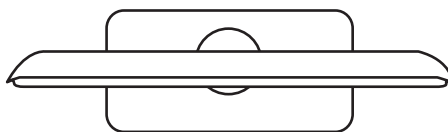
TOP VIEW
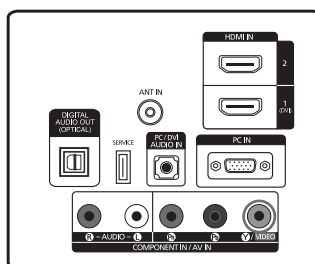
JACK PANEL DETAIL 3.7"H X 6.6"W

FRONT VIEW / SIDE VIEW
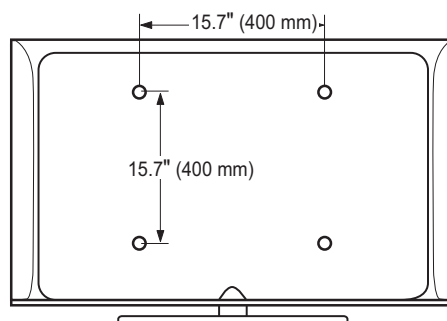
REAR VIEW

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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SAMSUNG

Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Comment contacter Samsung dans le monde

Si vous avez des suggestions ou des questions concernant les produits Samsung, veuillez contacter le Service Consommateurs Samsung.

Comuníquese con SAMSUNG WORLDWIDE

Si desea formular alguna pregunta o comentario en relación con los productos de Samsung, comuníquese con el centro de atención al cliente de SAMSUNG.

Country	Customer Care Center ☎	Web Site	Address
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
			Samsung Electronique Canada Inc., Service à la Clientèle 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com/us	Samsung Electronics America, Inc. 105 Challenger Road Ridgefield Park, NJ 07660-0511

Quick Setup Guide

1-800-SAMSUNG (7267864)

Samsung Electronics America, Inc.
105 Challenger Road Ridgefield Park, NJ 07660-0511
Samsung Electronics Canada Inc., Customer Service
55 Standish Court Mississauga, Ontario L5R 4B2
Call center hours of operation (Mon-Sun 9AM-12AM EST).
To register this product please visit
www.samsung.com/global/register.

STOP
Please do not return this unit
If you are having problems operating this TV,
Please call;
1-800-SAMSUNG (1-800-726-7864)
For web support please visit
www.samsung.com/support

Guía rápida de configuración

1-800-SAMSUNG (7267864)

Samsung Electronics America, Inc.
105 Challenger Road Ridgefield Park, NJ 07660-0511
Samsung Electronics Canada Inc., Servicio de atención al cliente
55 Standish Court Mississauga, Ontario L5R 4B2
Horario de atención del centro de servicio (Lun-dom 9 AM-12 AM ESTE).
Para registrar este producto, visite
www.samsung.com/global/register.

ALTO
No devuelva esta unidad
Si tiene problemas con el funcionamiento del televisor,
llame a:
1-800-SAMSUNG (1-800-726-7864)
Para obtener ayuda a través de la web, visite
www.samsung.com/support

Guide de configuration rapide

1-800-SAMSUNG (7267864)

Samsung Electronics America, Inc.
105 Challenger Road Ridgefield Park, NJ 07660-0511
Samsung Electronics Canada Inc., Service à la clientèle
55 Standish Court Mississauga, Ontario L5R 4B2
Heures d'ouverture du centre d'appel : du lundi au dimanche, de 9 h à 12 h (HNE)
Pour enregistrer ce produit, veuillez visiter
www.samsung.com/global/register.

ARRÊT
Veuillez ne pas retourner cet appareil.
Si vous avez des problèmes avec ce téléviseur :
composez le :
1-800-SAMSUNG (1-800-726-7864)
Pour obtenir de l'assistance en ligne, visitez :
www.samsung.com/support

Accessories

SP Accesorios / FR Accessoires

❶ ❷ ❸ ❹ ❺
❻ (M4 X L16) ❼ ❽

❶ EN Remote Control & Batteries (AAA x 2)
   SP Mando a distancia y 2 pilas AAA
   FR Télécommande et deux piles AAA

❷ EN Power Cord
   SP Cable de alimentación
   FR Cordon d'alimentation

❸ EN Cleaning Cloth
   SP Paño de limpieza
   FR Chiffon de nettoyage

❹ EN Cover-Bottom
   SP Cubierta del agujero inferior
   FR Couvre base

❺ EN Screw (M4 X L16)
   SP Tornillo (M4 X L16)
   FR Vis (M4 X L16)

❻ EN TV-Holder & Screw X1 (Depending on the model)
   SP Soporte del televisor y tornillos X1 (Depende del Modelo)
   FR Support pour téléviseur et vis X1 (Selon le modèle)

❼ EN Warranty Card / Safety Guide
   SP Tarjeta de garantía / Guía de seguridad
   FR Carte de garantie / Guide de sécurité

❽ EN Owner's Instructions
   SP Manual de instrucciones
   FR Instructions à l'intention du propriétaire

BN68-01884L-00

Plug & Play

POWER   TV
1 2 3

Plug & Play
Menu Language, Store Demo, Channels, and Time will be set.
Start
Enter

EN When the TV is initially powered on, basic settings proceed automatically and subsequently.
   If you want to reset this feature. Press the **MENU** button to display the menu. You can set the Plug & Play by selecting 'Setup → Plug & Play'.

SP Cuando el televisor se enciende por primera vez, los valores se inician correlativamente de forma automática.
   Si desea reiniciar esta función. Pulse el botón **MENU** para ver el menú en pantalla. Puede configurar la función Plug & Play seleccionando 'Configuración → Plug & Play'.

FR Au moment de la mise sous tension initiale du téléviseur, les paramètres de base sont automatiquement réglés. D'autres sont réglés en cours d'utilisation.
   Si vous souhaitez réinitialiser ce paramètre. Appuyez sur la touche **MENU**. Vous pouvez configurer la fonction Prêt à l'emploi en sélectionnant 'Configuration → Prêt à l'emploi'.

ANT IN

EN The product color and shape may vary depending on the model.

SP El color y la forma del producto pueden variar según el modelo.

FR La couleur et la forme du produit peuvent varier en fonction du modèle.

Installing Batteries in the Remote Control

SP Instalación de las pilas en el mando a distancia
FR Insertion des piles dans la télécommande
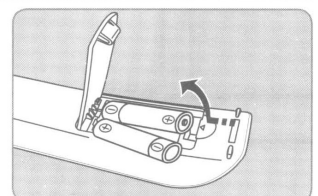
Configuring the Picture Menu

Configuración del menú de imagen / FR Configuration du menu Picture

❏ **Mode**

SP Modo / FR Mode
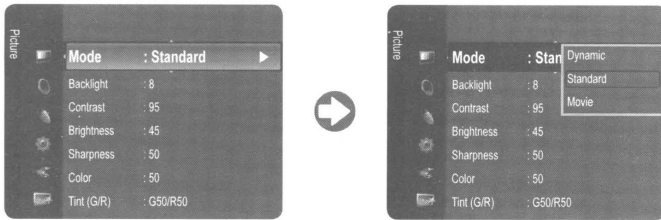
EN You can select the type of picture which best corresponds to your viewing requirements.

- 🖲 Press the **P.MODE** button on the remote control repeatedly to select the desired picture mode.
  - ■ **Dynamic:** Selects the picture for increased definition in a bright room.
  - ■ **Standard:** Selects the picture for the optimum display in a normal environment.
  - ■ **Natural:** Selects the picture for an optimum and eye-comfortable display.
    - 🖉 **Natural** is not available in PC mode.
  - ■ **Movie:** Selects the picture for viewing movies in a dark room.

SP Puede seleccionar el tipo de imagen que mejor cumpla sus requisitos de visualización.

- 🖲 Pulse varias veces el botón **P.MODE** del mando a distancia para seleccionar el modo de imagen deseado.
  - ■ **Dinámico:** Selecciona la visualización con una definición mejorada, en una habitación luminosa.
  - ■ **Normal:** Selecciona la visualización óptima de la imagen, en un entorno normal.
  - ■ **Natural:** Selecciona la visualización óptima y más confortable de la imagen.
    - 🖉 **Natural** no está disponible en los modo PC.
  - ■ **Cine:** Selecciona la visualización para ver películas en una sala oscura.

FR Vous pouvez choisir le type d'image qui correspond le mieux à vos exigences.

- 🖲 Appuyez à plusieurs reprises sur la touche **P.MODE** de la télécommande pour sélectionner le mode d'image désiré.
  - ■ **Dynamique:** Choisit l'image offrant une meilleure définition dans une pièce claire.
  - ■ **Standard:** Choisit la meilleure image possible dans un environnement normal.
  - ■ **Naturel:** Sélectionne une qualité d'image optimale qui réduit la fatigue visuelle.
    - 🖉 **Naturel** n'est pas disponible en mode PC.
  - ■ **Movie:** Choisit une définition d'image pour regarder des films dans une pièce sombre.

Viewing the Menus

SP Visualización de los menús / FR Affichage des menus

EN Press the **MENU** button. The main menu is displayed on the screen. The menu's left side has icons: Picture, Sound, Channel, Setup, Input, Application, Support

SP Pulse el botón **MENU**. En la pantalla aparece el menú principal. En el lado izquierdo del menú hay los iconos: Imagen, Sonido, Canal, Configuración, Entrada, Aplicaciones, Soporte técnico

FR Appuyez sur la touche **MENU**. Le menu principal s'affiche à l'écran. La partie gauche du menu comprend des icônes: Image, Son, Chaîne, Configuration, Entrée, Application, Support technique

❏ **Using the remote control buttons**

SP Uso de los botones del mando a distancia

FR Les touches de la télécommande

	Button	Operations
EN	MENU	Display the main on-screen menu.
	RETURN	Return to the previous menu.
	EXIT	Exit the on-screen menu.
	▲/▼/◄/►/ ENTER ⏎	Move the cursor and select an item. Select the currently selected item. Confirm the setting.
SP	MENU	Mostrar el menú de pantalla principal.
	RETURN	Volver al menú anterior.
	EXIT	Salir del menú en pantalla.
	▲/▼/◄/►/ ENTER ⏎	Mover el cursor y seleccionar una opción. Seleccionar la opción marcada. Confirmar la configuración.
FR	MENU	Affiche le menu à l'écran principal.
	RETURN	Permet de retourner au menu précédent.
	EXIT	Quitte le menu de l'écran.
	▲/▼/◄/►/ ENTER ⏎	Permet de déplacer le curseur et de choisir un élément. Permet de sélectionner l'élément en surbrillance. Confirme le réglage.

Setting the Screen Size

SP Configuración del tamaño de la pantalla / FR Configuration du format de l'écran
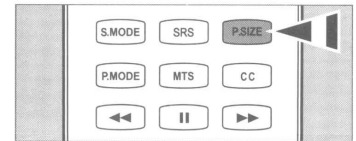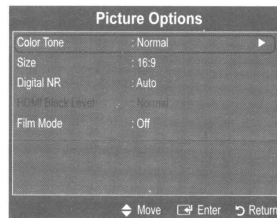
EN If you want to change the size of the image on your screen. Press the **MENU** button to display menu. You can set the picture size by selecting 'Picture → Picture Options → Size'. And press the ▲ or ▼ button to select the screen format you want. (16:9 / Zoom1 / Zoom2 / Wide Fit / 4:3 / Screen Fit)

- 🖲 Alternately, you can press the **P.SIZE** button on the remote control repeatedly to change the picture size.

SP Si desea cambiar el tamaño de la imagen en la pantalla. Pulse el botón **MENU** para visualizar el menú. También se puede configurar el modo de la imagen seleccionando 'Imagen → Opciones de imagen → Tamaño'. Pulse los botones ▲ o ▼ para seleccionar el formato de pantalla que desee. (16:9 / Zoom1 / Zoom2 / Ajuste ancho / 4:3 / Ajuste pantalla)

- 🖲 También se puede pulsar varias veces el botón **P.SIZE** del mando a distancia para cambiar el tamaño de la imagen.

FR Si vous désirez modifier le format de l'image à l'écran, appuyez sur la touche **MENU**. Le menu s'affiche. Vous pouvez choisir le format de l'image en sélectionnant 'Image → Options d'image → Format'. Appuyez ensuite sur les touches ▲ ou ▼ pour sélectionner le format d'écran désiré. (16:9 / Zoom1 / Zoom2 / Format large / 4:3 / Plein écran)

- 🖲 Vous pouvez également appuyer plusieurs fois sur la touche **P.SIZE** de la télécommande pour changer le format de l'image.

Connecting an AV device

SP Conexión de un dispositivo de AV / FR Branchement d'un appareil AV

HDMI/DVI

PC/COMPONENT

VIDEO

★ **HD** connection (up to 1080p)

SP **Conexión HD**
Uso de un cable HDMI

FR **Branchement HD**
Utilisation d'un câble HDMI

Using an HDMI Cable

DVD / Blu-ray player / HD Cable Box
/ HD Satellite receiver (STB)

HDMI OUT

★ **HD** connection (up to 1080p)

SP **Conexión HD**
Uso de un cable DVI

FR **Branchement HD**
Utilisation d'un câble DVI

Using a DVI Cable

DVD / Blu-ray player / Cable Box /
Satellite receiver (STB)

DVI OUT   AUDIO OUT

HDMI IN
2
1 (DVI)

ANT IN

PC / DVI
AUDIO IN

AUDIO   COMPONENT IN / AV IN   VIDEO

Audio/Video connection (480i only)

SP **Conexión audio/vídeo**
Uso de el cable de audio o vídeo

FR **Branchement audio/vidéo**
Utilisation d'un câble audio/vidéo

Using an Audio/Video Cable

VCR

VIDEO OUT   AUDIO OUT

Component connection (up to 1080p)

SP **Conexión de componentes**
Uso de un cable de componentes

FR **Branchement d'une composante**
Utilisation d'un câble de composante

Using a Component Cable

DVD / Blu-ray player / Cable Box /
Satellite receiver

AUDIO OUT   COMPONENT OUT

Connecting an Audio device

SP Conexión de un dispositivo de audio / FR Branchement d'un appareil audio

OPTICAL (Digital)

AUDIO (Analog)

DIGITAL
AUDIO OUT
(OPTICAL)

ANT IN

SERVICE   PC / DVI AUDIO IN

★ **Digital Audio** connection

SP **Conexión de audio digital**
Uso de un cable óptico

FR **Branchement audionumérique**
Utilisation d'un câble optique

Using an Optical Cable

Digital Audio System

OPTICAL
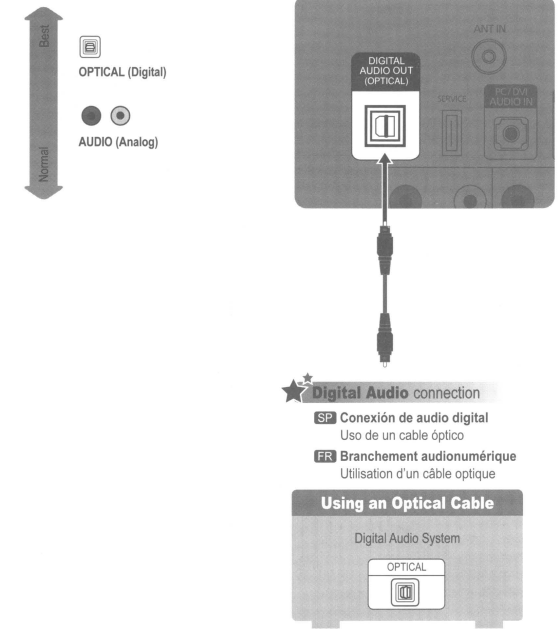
Connecting a PC

SP Conexión a un PC / FR Branchement d'un ordinateur

HDMI IN
2
1 (DVI)

ANT IN

PC / DVI
AUDIO IN   PC IN

COMPONENT IN / AV IN

★ **HD** connection

SP **Conexión HD**
Uso de un cable HDMI

FR **Branchement HD**
Utilisation d'un câble HDMI

Using an HDMI Cable

HDMI OUT

SP Uso de un cable D-Sub

FR Utilisation d'un câble secondaire D

Using a D-Sub Cable

AUDIO OUT   PC OUT

★ **HD** connection

SP **Conexión HD**
Uso de un cable HDMI/DVI

FR **Branchement HD**
Utilisation d'un câble HDMI/DVI

Using an HDMI/DVI Cable

AUDIO OUT   DVI OUT

Connecting an Antenna

SP Conexión de una antena / FR Branchement d'une antenne
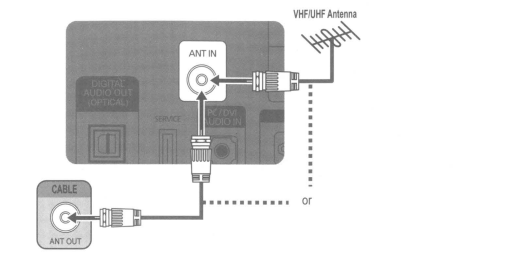
VHF/UHF Antenna

ANT IN

DIGITAL
AUDIO OUT
(OPTICAL)   SERVICE   PC / DVI AUDIO IN

CABLE
ANT OUT   or

EN When the TV is initially powered on, basic settings proceed automatically and
subsequently.
🖉 **Preset**: Connecting the mains and antenna.

SP Cuando el televisor se enciende por primera vez, los valores se inician
correlativamente de forma automática.
🖉 **Preparación**: Conexión del cable de alimentación y la antena.

FR Au moment de la mise sous tension initiale du téléviseur, les paramètres de
base sont automatiquement réglés. D'autres sont réglés en cours d'utilisation.
🖉 **Préréglage** : Branchement de l'alimentation et de l'antenne.

To Select the Source

SP Para seleccionar la fuente / FR Pour choisir la source

TV

AV
Component
HDMI1/DVI
HDMI2

Refresh   🎵 Tools

VOL   MUTE   SOURCE   CH
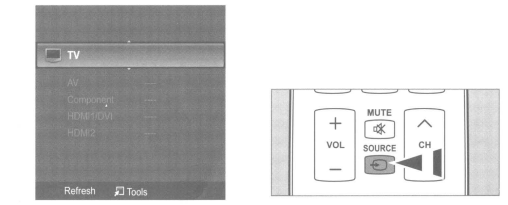
EN Press the **SOURCE** button on the Remote Control
You can select the TV mode or an input source connected to the TV set. Use this button
to choose an input source that you would like to watch.
🖉 TV / AV / Component / PC / HDMI1/DVI / HDMI2

SP Pulse el botón **SOURCE** del mando a distancia
Puede seleccionar el modo TV o la fuente de entrada conectada al equipo TV.
Utilice este botón para elegir la fuente de entrada que desee ver.
🖉 TV / AV / Component / PC / HDMI1/DVI / HDMI2

FR Appuyez sur la touche **SOURCE** de la télécommande.
Vous pouvez sélectionner le mode TV ou une source d'entrée branchée au téléviseur.
Choisissez la source d'entrée désirée Utilisation de cette touche.
🖉 TV / AV / Component / PC / HDMI1/DVI / HDMI2
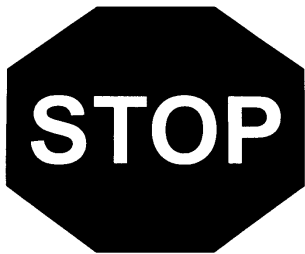
Installing the LCD TV Stand

● Components

When installing the stand, use the provided components and parts.
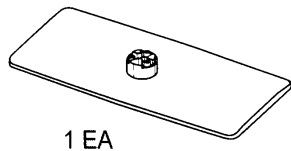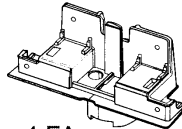
			ⓐ Screws: 3 EA (Label white)	ⓑ Screws: 4 EA (Label yellow)
1 EA	1 EA	1 EA		
Stand	Cover Neck	Guide Stand	Screws	

1 Connect the guide stand and Cover Neck onto the stand using the ⓐ screws, as shown in the figure. (Applicable to models 32 inch only.)
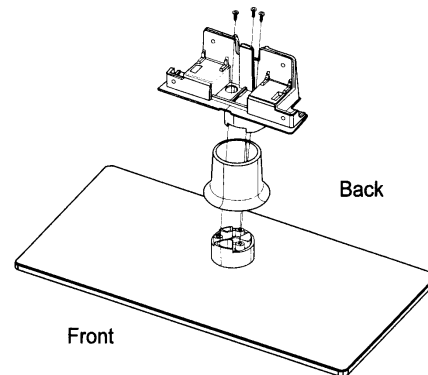
Back

Front

2 Connect your LCD TV and the stand.
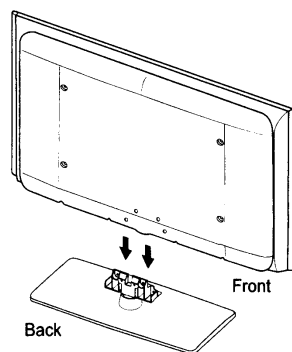
Front

Back

3 Fasten two ⓑ screws at position ① and then fasten two ⓑ screws at position ②.

Position ②

Position ①
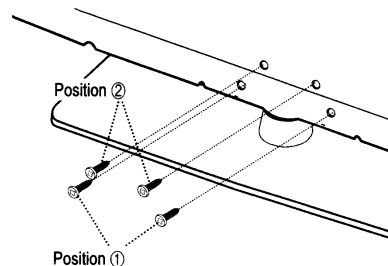
Caution ⚠ ➤ Make sure to distinguish between the front and back of each component when assembling them.
➤ Make sure that at least two persons lift and move the LCD TV.
➤ Stand the product up and fasten the screws.
  If you fasten the screws with the LCD TV placed down, it may lean to one side.

BN68-01402E-02

Ensamble el soporte antes de remover su LCD TV de la caja

Instalación del soporte LCD TV

● **Componentes**

Cuando instale el soporte, use los componentes y partes incluidas.
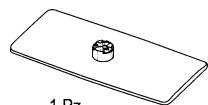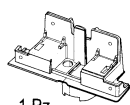
Soporte	Tapa del cuello	Guia del Soporte	Tornillos
1 Pz	1 Pz	1 Pz	ⓐ Tornillos: 3 Pzs (Etiqueta blanca) ⓑ Tornillos: 4 Pzs (Etiqueta amarilla)

1 Conecte la guía del soporte y la tapa del cuello en el soporte con los tornillos ⓐ, como se muestra en la ilustración.
(Sólo aplicable a los modelos 32 pulgadas)

Posterior
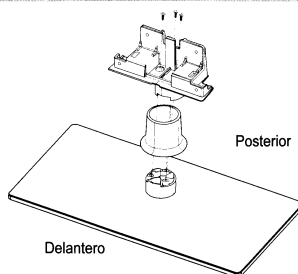
Delantero

2 Ensamble su LCD TV en el soporte.

Delantero
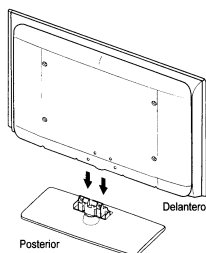
Posterior

3 Colocar dos tornillos ⓑ en la posición ① y despues dos tornillos ⓑ en la posición ②.

Posición ②

Posición ①
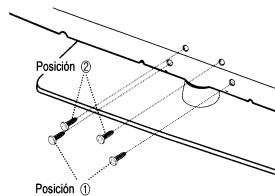
Precaución ⚠

➢ Asegurese de distinguir entre la parte delantera y posterior de cada componente al momento de ensamblarlos.

➢ Asegurese de que al menos dos personas levanten y muevan su LCD TV.

➢ Poner de pie el producto y asegure los tornillos.
Si asegura los tornillos con su LCD TV recostado, puede inclinarse hacia un lado.

Español

Assembler le support avant de retirer le téléviseur de son emballage

Installation du support de téléviseur

● **Éléments**

Pour installer le support, utiliser les pièces et éléments fournis.
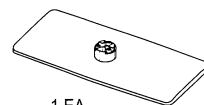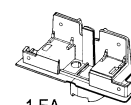
Support	Collet	Guide de support	Vis
1 EA	1 EA	1 EA	ⓐ Vis: 3 EA (Blanc d'etiquette) ⓑ Vis: 4 EA (Jaune d'etiquette)

1 Fixer le guide du support et le collet sur le support à l'aide des vis ⓐ, tel qu'illustré.
(Applicables aux modèles 32 pouces seulement.)

Arrière

Avant
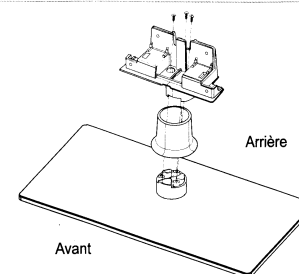
2 Connectez le téléviseur et le support.

Avant

Arrière
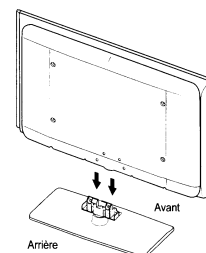
3 Resserrez les deux vis ⓑ à la position ① puis resserrez les deux vis ⓑ à la position ②.

Position ②

Position ①
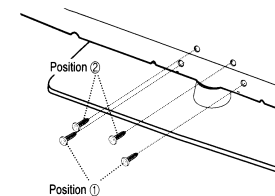
Attention ⚠

➢ Assurez-vous de bien distinguer le devant et l'endos de chaque élément lors de l'assemblage.

➢ Assurez-vous qu'au moins deux personnes soulèvent et déplacent le téléviseur.

➢ Placez l'appareil à la verticale puis resserrez les vis.
Si vous resserrez les vis lorsque le téléviseur est en position horizontale, il pourrait pencher vers un côté.

Français

SAMSUNG

SAMSUNG

Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.
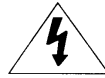
This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
  - Do not cover the slots and openings with a cloth or other materials.
  - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
  - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
  - Install the product keeping the specified distance from the wall (see the information below.)
    * DLP TVs, Direct View Type TVs, and Projectors → 10cm
    * Products with 32" or larger display s → 5cm
    * Other products → 4cm
- Do not place this apparatus near or over a radiator or heat resistor, or where it is exposed to direct sunlight.
- Do not place a water containing vessel (vases etc.) on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water(near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this appratus accidentally gets wet, unplug it and contact an authorized dealer immediately.
  Make sure to pull out the power cord from the outlet before cleaning.
- This appratus use batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corrsponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so many create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet. Do not touch the power cord with wet hands.
- If this appratus does not operate normally - in particular, if there are any unusual sounds or smells coming from it
  - unplug it immediately and contact an authorized dealer or service center.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
  - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc.
  Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
  - An improper ground may cause electric shock or equipment damage. (Class 1 Equipment only.)
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- Do not allow children to hang onto the product.
- Store the accessories (battery, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky self, a slanted floor or a location exposed to vibration.
- Do not drop or impart any shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Apparatus shall not be exposed to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble or overheat the batteries.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**

Avertissement! Consignes de sécurité importantes

(Avant toute installation de votre prod uit Samsung,
veuillez lire les sections correspondant aux inscriptions qui figurent sur ce de rnier.)

ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION: POUR REDUIRE LES RISQUES D'ELECTROCUTION, NE
RETIREZ PAS LE CAPOT (NI LE PANNEAU ARRIERE). A L'INTERIEUR DE
L'APPAREIL, AUCUNE PIECE NE PEUT ETRE REPAREE PAR L'UTILISATEUR.
POUR TOUT DEPANNAGE, ADRESSEZ-VOUS A UN SPECIALISTE.

Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.

Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier.
  Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
  - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
  - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
  - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
  - Installez le produit en maintenant une distance correcte avec le mur (voir informations ci-dessous).
    * Téléviseurs DLP, téléviseurs de type Direct View et projecteurs → 10 cm
    * Appareils dotés d'un écran 32" ou plus → 5 cm
    * Autres produits → 4 cm
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez aucun récipient (vases etc.) d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'app areil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé. Assurez-vous que le cordon d'alimentation est débranché avant de nettoyer le produit.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées.Veuillez donc contacter les autorités compétentes afin d'obtenir des informations ur la mise au rebut ou le recyclage des piles.
- Evitez de surcharger les prises murales, les rallonges et les prises mult iples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince.
  Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câblé.
  Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil. vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil.
  Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de bien brancher le cordon d'alimentation. Assurez-vous de bien tenir la prise en main lorsque vous la débranchez.
  Ne touchez en aucune circonstance le cordon d'alimentation avec les mains mouillées.
- Si l'appareil ne fonction ne pas normalement, en particulier s'il émet des odeurs oudes sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit restée inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seul à votre domicile).
  - L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.
- Veillez à contacter un centre de services homologué lorsque vous installez votre téléviseur dans un endroit très poussiéreux, humide, exposé à des températures élevées ou faibles ou à des produits chimiques, ou s'il fonctionne sans interruption, par exemple dans les aéroports, les gares, etc. Si vous ne le faites pas, vous risquez d'endommager gravement votre téléviseur.
- Utiliser uniquement des prises correctement reliées à la terre.
  - Un sol inadapté peut causer un choc électrique ou un incendie. (Appareils de CLASSE l uniquement.)
- Pour déconnecter l'appareil du secteur, la prise doit être débranchée de la prise électrique du secteur. Par conséquent, la prise du secteur doit être en état de marche.
- Utiliser uniquement des prises correctement reliées à la terre.
- Rangez les accessoires (batterie, etc.) dans un endroit sûr, hors de la portée des enfants.
- N'installez pas le produit sur une surface instable telle qu'une étagère chancelante, un sol non horizontal ou un endroit soumis à des vibrations.
- Ne faites ni tomber, ni subir de choc au produit. Si le produit est endommagé, déconnectez le cordon d'alimentation et contactez un centre de services.
- Débranchez le cordon d'alimentation de la prise secteur et essuyez le produit à l'aide d'un chiffon doux et sec. N'utilisez pas de produit chimique, tels que de la cire, du benzène, de l'alcool, du diluant, de l'insecticide, du désodorisant, du lubrifiant ou du détergent.
  Cela peut endommager l'aspect ou effacer l'impression sur l'appareil.
- L'appareil ne doit pas être exposé à l'humidité ni aux éclaboussures.
- Ne jetez pas les batteries au feu.
- Ne court-circuitez pas ni ne désassemblez les batteries et ne les soumettez pas à une chaleur excessive.
- Un risque d'explosion survient si la batterie est replacée de manière incorrecte. Ne la remplacez qu'avec une batterie du même type.
- **AVERTISSEMENT - POUR ÉVITER TOUT RISQUE D'INCENDIE, VEILLEZ À GARDER CE PRODUIT LOIN DE BOUGIES OU D'AUTRES SOURCES DE FEU.**

- Français -

Advertencia! Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la
marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL PELIGRO DE DESCARGA
ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL
INTERIOR QUE PUEDA REPARAR EL USUARIO.
CONSULTE AL PERSONAL CALIFICADO DE SERVICIO TÉCNICO.

Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.

Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria. Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
  - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
  - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
  - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
  - Instale el producto conservando la distancia especificada respecto a la pared (vea la información siguiente).
    * Televisores DLP, televisores tipo visualización directa y proyectores → 10 cm
    * Aparatos con una pantalla de 32" o mayor → 5 cm
    * Otros productos → 4 cm
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque recipientes con agua sobre este aparato (jarros, etc.), ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar). Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un técnico autorizado. Antes de limpiar el producto desconecte el cable de alimentación de la toma de corriente.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales.
  Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico calificado debe abrir el alojamiento del aparato.
- Cuando conecte el cable de alimentación compruebe que el enchufe esté firmemente insertado. Para desenchufar el cable de alimentación, sujételo por el enchufe y tire de éste para sacarlo de la toma de corriente. Nunca toque el cable de alimentación con las manos mojadas.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo período de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
  - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.
- Póngase en contacto con un centro de servicio técnico autorizado cuando instale el aparato en un lugar expuesto a gran cantidad de polvo, temperaturas extremas, alto nivel de humedad y productos químicos, y en lugares donde se vaya a utilizar las 24 horas del día, como aeropuertos, estaciones, etc. El incumplimiento de estas indicaciones puede causar serios desperfectos en el aparato.
- Cuando instale el equipo, procure guardar una distancia de más de 10 cm desde la pared para facilitar la ventilación.
- Use sólamente conectores y receptáculos apropiados para hacer la conexión a tierra.
  - Una conexión a tierra inapropiada podría causar una descarga eléctrica o una avería en el equipo. (Sólo equipo de Clase l.)
- Para desconectar el aparato de la corriente, debe desenchufar el cable de la toma principal, por lo que el enchufe principal debe estar siempre fácilmente accesible.
- No permita que los niños jueguen con el producto.
- Guarde los accesorios (pilas, etc.) en un lugar seguro fuera del alcance de los niños.
- No coloque el producto en un lugar inestable, inclinado o expuesto a vibraciones.
- No lo deje caer ni le dé golpes. Si el producto se estropea, desenchufe el cable de alimentación y póngase en contacto con un centro de servicio.
- Desconecte el cable de alimentación de la toma de corriente y seque el aparato con un paño suave y seco. No utilice ningún producto químico como cera, benzol, alcohol, disolventes, insecticida, ambientador de aire, lubricante o detergente. Se puede dañar el aspecto o borrar las estampaciones del producto.
- Evite que cualquier líquido salpique el aparato o gotee sobre él.
- No tire las pilas al fuego.
- No cortocircuite, desmonte ni sobrecaliente las pilas.
- Si la pila no se coloca correctamente se corre el riesgo de una explosión. Reemplace la pila sólo por una igual o de especificaciones equivalentes.
- **ADVERTENCIA - PARA IMPEDIR QUE EL FUEGO SE PROPAGUE, MANTENGA LAS VELAS U OTRAS LLAMAS EXPUESTAS SIEMPRE ALEJADAS DE ESTE PRODUCTO.**

- Español -

Aviso! Instruções de segurança importantes
(Leia a secção adequada que corresponde
à marca no produto Samsung antes de tentar instalar o produto.)

ATENÇÃO

RISCO DE CHOQUE ELECTRICO NÃO ABRA

CUIDADO: PARA REDUZIR O RISCO DE CHOQUE ELÉCTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASEIRA). NO INTERIOR DO TELEVISOR NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELOUTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TÉCNICOS QUALIFICADOS.

Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.

Este símbolo informa-o de que este produto inclui literaturaimportante sobre o respectivo funcionamento e manutenção.

• As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
- Não tape as ranhuras e aberturas com panos ou outros materiais.
- Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
- Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
- Instale o produto, mantendo a distância da parede especificada (consulte as informações abaixo.)
   * Televisores DLP, Televisores do Tipo Direct View e Projectores → 10 cm
   * Produtos com visores de 32 polegadas ou maiores → 5 cm
   * Outros produtos → 4 cm
• Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
• Não coloque recipientes com água em cima do aparelho (jarras etc.), porque pode provocar um incêndio ou choque eléctrico.
• Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade). Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado. Retire sempre o cabo de alimentação da tomada antes de limpar o produto.
• Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
• Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
• Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
• Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo.
  Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
• Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
• Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
• Para evitar choques eléctricos, nunca toque no interior do aparelho. A caixa do aparelho só deve ser aberta por técnicos qualificados.
• Introduza o cabo de alimentação completamente até ao fim. Quando retirar o cabo de alimentação, certifique-se de que o segura pela ficha quando puxar a mesma da tomada. Não toque no cabo de alimentação com as mãos molhadas.
• Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares – desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
• Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
  - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.
• Contacte um centro autorizado de assistência técnica quando instalar o produto em locais sujeitos a poeiras excessivas, locais sujeitos a temperaturas altas ou baixas, locais com muita humidade, locais onde se utilizem substâncias químicas e locais onde o monitor esteja a funcionar 24 horas por dia como em aeroportos, estações de comboio, etc. Se não o fizer, pode provocar sérios danos no produto.
• Utilize uma ficha e uma tomada devidamente ligadas à terra.
  -Uma ligação de terra deficiente pode causar choque eléctrico ou danos no equipamento. (Só equipamento de classe 1.)
• Deve puxar a ficha da tomada para desligar o aparelho da corrente, de forma a deixar a ficha pronta a ser utilizada.
• Não deixe as crianças mexer no produto.
• Guarde os acessórios (bateria, etc.) num local seguro fora do alcance das crianças.
• Não instale o produto num local instável, como uma prateleira inclinada, um chão desnivelado ou um local exposto à vibração.
• Não deixe cair ou provoque qualquer embate no produto. Se o produto estiver danificado, desligue o cabo de alimentação e contacte um centro de assistência.
• Desligue o cabo de alimentação da tomada e utilize um pano seco e macio para limpar o produto. Não utilize quaisquer produtos químicos como cera, benzina, álcool, diluentes, insecticida, ambientador, lubrificante ou detergente. Tal pode danificar o aspecto do produto ou eliminar a impressão do mesmo.
• Não deixe cair gotas ou salpicos em cima do aparelho.
• Não destrua as pilhas através de fogo.
• Não provoque curto-circuito, nem desfaça ou sobreaqueça as pilhas.
• Existe perigo de explosão se a pilha for substituída incorrectamente. Substitua-a apenas pelo mesmo tipo de pilha ou por uma equivalente.
• **AVISO - PARA EVITAR O ALASTRAR DE UM INCÊNDIO, MANTENHA SEMPRE AS VELAS OU OUTRO TIPO DE CHAMA LONGE DESTE PRODUTO.**

Regulatory Compliance Statements

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Korea Communications Commission (KCC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
   1. This device may not cause harmful interference, and
   2. This device must accept any interference received, including interference that may cause undesired operation.
NOTE:
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
   1. This device may not cause harmful interference, and
   2. This device must accept any interference received, including interference that may cause undesired operation.
NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additiona suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful.
This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office. Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.
Provided with this monitor is a detachable power supply cord with IEC320 style terminations.
It may be suitable for connection to any UL Listed personal computer with similar configuration.
Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating.
For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6-15P type (tandem blades) plug cap.
This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules.
(TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

ICES-003 Class A Notice - Avis NMB-003, Classe A
This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice
この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクテスA情報技術装置です。
この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。
この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice
この装置は、情報処理装置等電波障害自主規制協議(VCCI)の基準に基づくクテスB情報技術装置です。
この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して
使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

CCC Class A notice - China
此为A级产品，在生活环境中，该产品可能会造成无线电干扰。
在这种情况下，可能需要用户对其干扰采取切实可行的措施。

BSMI Class A Notice
The following statement is applicable to products shipped to Taiwan and marked as Class A on the product
compliance label.

警告使用者 :
這是甲類資訊類產品，在居住環境中使用時，可能會造成射頻幹擾，在這種情況下，
使用者會被要求採取某些適當的對策。

€€ European Notice(Europe Only)
Products with the CE marking comply with the EMC Directive(2004/108/EC) and the Low Voltage
Directive(2006/95/EC) issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European Norms:
- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning
(If the user manual declares the product as Class A, following statement applies.)
This is a class A product. In a domestic environment this product may cause radio interference in which case the
user may be required to take adequate measures.

업무용 방송통신기기 A급기기 (KCC Class A Notice)
이 기기는 업무용(A급)으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서
사용하는 것을 목적으로 합니다.

가정용 방송통신기기 B급기기 (KCC Class B Notice)
이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Italian Homologation Notice
Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
ed in particolare a quanto specificato nell Art.2, comma 1.
Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
Art.2, comma 1 ed al D.M.26.03.92 Art.1
-. For products produced in countries except European Community
   Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
   ed in particolare a quanto specificato nell Art.2, comma 1.
-. For products produced in European Community
   Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
   Art.2, comma 1 ed al D.M.26.03.92 Art.1

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

• Ventilation
Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've
followed that manufacturer's instructions for mounting and installation.

MPR II Compliance (MPR II applied model only)
This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

• EPA applied model only
As an ENERGY STAR Partner, Samsung has determined that this product
or product models meets the ENERGY STAR guidelines for energy efficiency.

Mercury Statement (LCD Monitor, LCD TV, DLP Projection TV, Projector for USA only)
Contains Mercury, Dispose According to Local, State or Federal Laws

SAMSUNG

SAMSUNG COLOR TELEVISION & PROJECTION TELEVISION & PROJECTOR

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of: **(90 Days Parts and Labor for Commercial Use)**

Categories	Parts	Labor	Size	Service
LCD TV	1 Year	1 Year	37 " and Lager	Carry-In or In Home
			32" and Smaller	Carry-In
Projection Television Plasma Display DLP Projection TV	1 Year	1 Year	All	Carry-In or In Home
Color Television	1 Year (Excluding Picture Tube *)	1 Year	25" and Smaller	Carry-In or In Home
			Under 26 "	Carry-In
DLP Projector	2 Year (Excluding Lamp **)	2 Year	All	Carry-In or In Home
LED Pocket Projector	1 Year	1 Year	All	Carry-In

* 2 Years Picture Tube (CRT) on Analog Color TV
** 180 Days after Purchasing and 600 Hours of Use Lamp on DLP Projector

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

Certain products are eligible for In-home service at Samsung's discretion. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to providefor transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 25" and smaller television (for LCD TV, 32" and smaller), transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; picture tube (CRT) brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
105 Challenger Road
Ridgefield Park, NJ 07660-0511
1-800-SAMSUNG (7267864) – www.samsung.com
1-800-749-0260 : Only Projector

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) or Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven CRT or Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.

BP68-00263D-00